

CATALOGUE AND ANNOUNCEMENTS

1964 - 1965



ST. JOSEPH'S COLLEGE
RENSSELAER, INDIANA

saint joseph's college

of rensselaer, indiana

is a college

for men

founded in 1889

and conducted by

the fathers of

the society of the precious blood

granting b.a.

and b.s. degrees.

this is the

seventy-fourth

annual catalogue

with announcements for

1964 - 1965



CALUMET CAMPUS

In addition to courses on campus, the College operates a four year branch at East Chicago, Indiana, known as the Saint Joseph's College CALUMET CAMPUS. Opened in 1951, the CALUMET CAMPUS offers courses leading to the baccalaureate degree, and in adult education. For further information, write to the Office of the Academic Dean, 4721 Indianapolis Blvd., East Chicago, Indiana, or call Area Code 219 397-9197.

SUMMER SESSIONS

A six-week SUMMER SESSION is offered on the Rensselaer Campus. For further information, write to the Director of the Summer Session, Saint Joseph's College, Rensselaer, Indiana, or call Rensselaer, Area Code 219 866-7111.

ACCREDITATION

Saint Joseph's College is a member of or is accredited by the following association and standardizing agencies:

Adult Education Association

American Council on Education

Association of American Colleges

Association of American Colleges for Teacher Education

Association of University Evening Colleges

College Entrance Examination Board

Commission on Christian Higher Education of the Association of American Colleges

Indiana Association of Church Related and Independent Colleges

Indiana Conference of Higher Education

National Catholic Education Association

North Central Association of Colleges and Secondary Schools

State of Indiana Department of Public Instruction for the training of elementary and high school teachers.

Affiliated on 3-2 (Liberal Arts-Engineering) Programs with: University of Detroit; Marquette University; Purdue University; Rose Polytechnic Institute; Saint Louis University; University of Illinois; University of Notre Dame; New York University. Students on the 3-2 program may transfer to any accredited engineering college.

Affiliated with Phi Eta Sigma, a national Honors Fraternity for Freshmen, and Delta Epsilon Sigma, a national Catholic Honors Society.

CALENDAR for 1964

JANUARY	FEBRUARY	MARCH	APRIL
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1	1 2 3 4 5 6 7	1 2 3 4
5 6 7 8 9 10 11	2 3 4 5 6 7 8	8 9 10 11 12 13 14	5 6 7 8 9 10 11
12 13 14 15 16 17 18	9 10 11 12 13 14 15	15 16 17 18 19 20 21	12 13 14 15 16 17 18
19 20 21 22 23 24 25	16 17 18 19 20 21 22	22 23 24 25 26 27 28	19 20 21 22 23 24 25
26 27 28 29 30 31	23 24 25 26 27 28 29	29 30 31	26 27 28 29 30
MAY	JUNE	JULY	AUGUST
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3 4 5 6 7 8 9	7 8 9 10 11 12 13	5 6 7 8 9 10 11	2 3 4 5 6 7 8
10 11 12 13 14 15 16	14 15 16 17 18 19 20	12 13 14 15 16 17 18	9 10 11 12 13 14 15
17 18 19 20 21 22 23	21 22 23 24 25 26 27	19 20 21 22 23 24 25	16 17 18 19 20 21 22
24 25 26 27 28 29 30	28 29 30	26 27 28 29 30 31	23 24 25 26 27 28 29
31			30 31
SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
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CALENDAR for 1965

JANUARY	FEBRUARY	MARCH	APRIL
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
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31			
MAY	JUNE	JULY	AUGUST
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30 31			
SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1 2	1 2 3 4 5 6	1 2 3 4
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12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20	12 13 14 15 16 17 18
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26 27 28 29 30	24 25 26 27 28 29 30	28 29 30	26 27 28 29 30 31
	31		

COLLEGE CALENDAR 1964-65

First Semester

September 13-16	Sunday-Wednesday — Orientation and Registration.
September 16	Wednesday — Registration for returning students; official opening of school year with High Mass at 8:00 p.m. Attendance obligatory.
September 17	Thursday — Classes begin at 8:00 a.m.
September 23	Wednesday — Limit for changes in class schedule.
October 3	Saturday — Homecoming — no classes.
October 17	Saturday — Limit for withdrawal from courses. Limit for applying for credit by examination. Dad's Day
October 21	Wednesday — Feast of St. Gaspar del Bufalo. No classes.
November 7	Saturday — Mid-term grades due.
November 14	Saturday — Limit for first semester freshmen withdrawal from courses.
November 25	Wednesday — Thanksgiving recess begins at noon.
November 30	Monday — Classes resume at 8:00 a.m.
December 8	Tuesday — Feast of the Immaculate Conception. No classes.
December 19	Saturday — Christmas recess begins at noon.
January 4	Monday — Classes resume at 8:00 a.m.
January 11-12	Monday-Tuesday — Comprehensive Examinations.
January 20	Wednesday — Preparation for semester examinations. No classes.
January 21-26	Thursday-Tuesday — Semester Examinations.
January 31	Sunday — Commencement Exercises.

6 SAINT JOSEPH'S COLLEGE

Second Semester

February 2	Tuesday — Registration for Second Semester.
February 3	Wednesday — Classes begin at 8:00 a.m. Opening of Second Semester.
February 9	Tuesday — Limit for changes in class schedule.
March 3	Wednesday — Limit for withdrawal from courses. Limit for applying for credit by examination. Ash Wednesday — Mass in Fieldhouse at 10:00 a.m. (10:00 and 11:00 a.m. classes meet at 7:00 and 8:00 p.m. respectively on March 3.)
March 8	Monday — Free day in honor of St. Thomas Aquinas.
March 12-13	Friday-Saturday — Senior-Junior Retreat.
March 19-20	Friday-Saturday — Sophomore Retreat.
March 27	Saturday — Mid-term grades due.
April 2-3	Friday-Saturday — Freshmen Retreat.
April 3	Saturday — Limit for first semester freshmen withdrawal from courses.
April 14	Wednesday — Easter recess begins at noon.
April 21	Wednesday — Classes resume at noon.
May 1	Saturday — Feast of St. Joseph. No classes.
May 2	Sunday — Parents Day.
May 4-5	Tuesday-Wednesday — Comprehensive Examinations.
May 27	Thursday — Ascension Day. No classes.
May 28-June 2	Friday-Wednesday — Semester Examinations.
June 6	Sunday — Commencement Exercises.
SUMMER SESSION: June 21 - July 31.	

BOARD OF CONTROL 7

BOARD OF CONTROL

Very Reverend John E. Byrne, C.PP.S.,* President
Rev. Francis Laudick, C.PP.S.
Very Reverend Raphael H. Gross, C.PP.S.
Reverend Harold V. Diller, C.PP.S., Secretary
Reverend Norbert Sweeterman, C.PP.S., Treasurer
Reverend Henry J. Martin, C.PP.S.
Very Reverend Paul J. Knapke, C.PP.S.

BOARD OF LAY TRUSTEES

The Board of Lay Trustees was organized on December 8, 1950. Composed of alumni and non-alumni members, it is charged with the responsibility of giving assistance and advice on matters pertaining to the administration of the College.

Officers of the Board

Robert A. Gallagher, Palos Park, Illinois, Chairman
Rev. John M. Lefko, C.PP.S., Secretary

Members Ex-Officio

Very Reverend Raphael H. Gross, C.PP.S., President of the College
Reverend Donald L. Ballmann, C.PP.S., Dean of the College
Reverend John M. Lefko, C.PP.S., Director of Development
Reverend William L. Ellerman, C.PP.S., Treasurer

Alumni Members

Frank A. Benchik, M.D., '42, Munster, Indiana
James R. Bogan, '43, Park Forest, Illinois
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Raymond G. Ziegman, '22, Orrville, Ohio

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William E. Cahill, Chicago, Illinois
Frank C. Callahan, Chicago, Illinois
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William J. Halligan, Chicago, Illinois
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Frank E. McKinney, Indianapolis, Indiana
Edward F. Mulhern, Oak Park, Illinois
Morgan F. Murphy, Chicago, Illinois
John Schmidt, Chicago, Illinois

* C.PP.S. These letters are the abbreviations of **Congregatio Pretiosissimi Sanguinis**, the official name of the Society of the Precious Blood. All the priests and brothers at Saint Joseph's are members of this religious community.

8 SAINT JOSEPH'S COLLEGE

ADMINISTRATIVE STAFF

Very Reverend Raphael H. Gross, C.PP.S., A.M., Ph.D., President
Very Reverend Charles J. Robbins, C.PP.S., M.A., Religious Superior, Registrar
Reverend Leonard J. Kostka, C.PP.S., J.C.L., Executive Assistant to the President, Chaplain
Reverend Henry J. Martin, C.PP.S., M.S., Ed.D., Acting President, Calumet Campus
Reverend Donald L. Ballmann, C.PP.S., M.S., Ph.D., Academic Dean
Reverend Francis B. Sullivan, C.PP.S., M.A., S.T.D., Academic Dean, Calumet Campus
Reverend Rufus H. Esser, C.PP.S., M.A., Secretary
Reverend William L. Eilerman, C.PP.S., M.S., Treasurer
Reverend William D. Shields, C.PP.S., Dean of Students
Reverend John M. Lefko, C.PP.S., Director of Development
Richard F. Scharf, M.S., Director of Athletics, Director of Placement
Reverend Charles H. Banet, C.PP.S., A.M.L.S., Librarian
Reverend John R. Klopke, C.PP.S., M.A., Ph.D., Director of Summer Session
Reverend Francis W. Spanbauer, C.PP.S., B.A., B.S., Director of Admissions
Reverend Paul E. Wellman, C.PP.S., M.B.A., Business Manager
Thomas M. Ryan, M.A., Director of Guidance
Reverend Gerard A. Lutkemeier, C.PP.S., B.S. in L.S., Assistant Librarian
Robert J. Blesson, M.S. in L.S., Assistant Librarian
Theodore Lakomecki, M.B.A., Assistant Director of Admissions, Chicago Area
Edward J. Menkhaus, A.A., B.S., Director of News Bureau
Reverend James P. McKay, C.PP.S., M.Ed., Magister Spiritus, Xavier Hall
Paul A. Williams, M.D., College Physician
Vincent C. Meyer, R.N., Director of Health Service
Miss Rita H. Murphy, R.N., Assistant Director of Health Service
Miss Helen Skinner, M.S., Director of Food Service
Edward Dwyer, M.A., Coach
James H. Holstein, B.S., Coach
Donald J. Merki, M.S., Coach
Bernard E. Lareau, B.S., Supervisor of Professional Services
Gerald R. Gladu, B.S., Secretary of Alumni Association

ALUMNI ASSOCIATION BOARD OF DIRECTORS

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Ernest C. Stockman, Peru, Illinois
Thomas A. Brier, St. Louis, Missouri
Gerry LaFontain, Fostoria, Ohio
Martin T. Timlin, Youngstown, Ohio

FACULTY

Very Reverend Raphael H. Gross, C.PP.S., A.M., Ph.D., President.

1941*—Professor of English. A.M., University of Michigan, 1941; Ph.D., University of Montreal, 1952. Appointed President, 1951.

John A. Abraham, M.A., Ph.D.

1959—Assistant Professor of English. M.A., University of Wisconsin, 1950; Oxford University (England), 1954-55; Ph.D., University of Wisconsin, 1959.

Reverend Donald L. Ballmann, C.PP.S., M.S., Ph.D., Academic Dean.

1956—Associate Professor of Geology. M.S., University of Illinois, 1956; Ph.D., *ibid.*, 1959; American Geological Institute Summer Field Institute, British Isles, Summer, 1961.

Reverend Charles H. Banet, C.PP.S., A.M.L.S., Librarian.

1949—Associate Professor. A.M.L.S., University of Michigan, 1951; *ibid.*, 1951-52.

Jay Barton II, A.M., Ph.D.

1955—Professor of Biology. A.M., University of Missouri, 1948; Ph.D., *ibid.*, 1951. N.S.F. Fellow at Carlsberg Institute, Copenhagen, Denmark, 1961-62.

Reverend Rudolph P. Bierberg, C.PP.S., S.T.L., S.T.D.;

Chairman, Department of Religion.

1958—Professor of Religion. S.T.L., Catholic University of America, 1941; S.T.D., *ibid.*, 1943.

Allen J. Broussard, M.B.A.

1964—Instructor in Accounting. M.B.A., University of Arkansas, 1960.

John J. Bucholtz, M.A.

1962—Assistant Professor of Political Science. M.A., Princeton University, 1959; Ph.D., (Cand.), *ibid.*

Ralph M. Cappuccilli, A.M.; Chairman, Department of Speech.

1948—Associate Professor of Speech. A.M., University of Michigan, 1951; Purdue University, Summers, 1958-62; Semester II 1963-64; Ph.D., (Cand.), *ibid.*

Reverend Raymond M. Cera, C.PP.S., M.A.; Chairman, Department of Languages.

1948—Associate Professor of Romance Languages. M.A., Saint John's University (Brooklyn), 1951.

William B. Conway, Ph.D., (Cand.)

1964—Assistant Professor of Economics. University of Minnesota, 1960-64; Ph.D., (Cand.), *ibid.*

Raymond J. Cosgrove, M.A.

1964—Assistant Professor of English. M.A., Loyola University (Chicago), 1963; Loyola University, 1963-64.

Hugh P. Cowdin, M.A.; Chairman, Department of Journalism.

1956—Assistant Professor of Journalism. M.A., Marquette University, 1959; State University of Iowa, Summers, 1959-63; 1962-63; Ph.D., (Cand.), *ibid.*

Michael E. Davis, M.S., Chairman, Department of Geology.

1952—Associate Professor of Geology. M.S., Kansas State University, 1951.

Reverend Cletus F. Dirksen, C.PP.S., M.A., Ph.D.; Chairman, Department of Political Science.

1941—Professor of Political Science. M.A., Catholic University of America, 1941; Ph.D., University of Notre Dame, 1947.

* The first date indicates the year of appointment to Saint Joseph's

10 SAINT JOSEPH'S COLLEGE

Reverend Boniface R. Dreiling, C.PP.S., M.S.

1940—Associate Professor of Physics. M.S., Catholic University of America, 1940; University of Chicago, 1943-46.

Reverend Marcellus M. Dreiling, C.PP.S., M.S.

1939—Associate Professor of Mathematics. M.S., Catholic University of America, 1939.

Reverend Alvin W. Druhman, C.PP.S., M.A., Ph.D., Chairman, Department of English.

1948—Professor of English. M.A., Saint John's University (Brooklyn), 1950; Ph.D., *ibid.*, 1952.

Edward F. Dwyer, M.A.

1959—Assistant Professor of Physical Education. M.A., Purdue University, 1959.

John B. Egan, B.Mus., Ph.D.

1962—Associate Professor of Music. B. Mus., Conservatory of Music of Cincinnati, 1956; Ph.D., Indiana University, 1962.

Reverend William L. Eilerman, C.PP.S., M.S.; Treasurer.

1954—Associate Professor of Accounting. M.S., Saint Louis University, 1959.

Reverend Rufus H. Esser, C.PP.S., M.A.; President, 1937-38; Secretary of the Faculty.

1925—Professor of English. M.A., Catholic University of America, 1927; Indiana University, Summers, 1930-31.

Francis E. Fenner, M.A.

1963—Instructor in History. M.A., Saint John's University (Brooklyn), 1960; Ph.D. (Cand.), *ibid.*

Richard J. Flynn, M.B.A., C.P.A.; Chairman, Department of Accounting.

1959—Assistant Professor of Accounting. M.B.A., University of Chicago, 1958; C.P.A., State of Illinois, 1959.

Louis C. Gatto, M.A.

1956—Associate Professor of English. University of Minnesota, 1950-51; M.A., DePaul University, 1956; Ph.D. (Cand.), Loyola University (Chicago).

Reverend Dominic B. Gerlach, C.PP.S., M.A., College Archivist.

1952—Associate Professor of History. M.A., Saint Louis University, 1952; University of Michigan, Summer, 1956.

Reverend Philip F. Gilbert, C.PP.S., M.S.

1961—Instructor in Mathematics. B.S., Saint Joseph's College, 1952; University of Detroit, 1960-61; M.S., University of Illinois, 1964.

John D. Groppe, M.A.

1962—Assistant Professor of English, M.A., Columbia University, 1957; Ph.D. (Cand.), University of Notre Dame.

Reverend Norman L. Heckman, C.PP.S., A.M., Chairman, Department of Chemistry.

1940—Associate Professor of Chemistry. University of Wisconsin, 1943-1944; A.M., Indiana University, 1947.

Reverend Lawrence F. Heiman, C.PP.S., M.A., L.C.G., M.C.G.; Chairman, Department of Music.

1943—Associate Professor of Music, M.A., Catholic University of America, 1949; Marquette University, Summer, 1950; L.C.G., Pontifical Institute of Sacred Music (Rome), 1958; M.C.G., *ibid.*, 1959.

Thomas W. Herzing, M.A.

1962—Instructor in English; M.A., Marquette University, 1962.

Reverend Joseph A. Hiller, C.PP.S., M.A., Ph.D.

1933 — Professor of German, M.A., Catholic University of America, 1932; University of Cincinnati, 1935-37; Ph.D., Catholic University of America, 1940.

James H. Holstein, B.S.

1959—Instructor in Physical Education. B.S., University of Cincinnati, 1956.

Reverend Edwin G. Kaiser, C.PP.S., S.T.D.

1944—Professor of Religion. S.T.D., Saint John Lateran, 1923; Gregorianum University, 1923-24; Saint Louis University, Summer, 1947.

Peter E. Kane, M.A.

1961—Assistant Professor of Speech. M.A., University of California (Los Angeles), 1960; Purdue University, 1962-.

Paul E. Kelly, A.M., Chairman, Department of Business Administration.

1950—Associate Professor of Marketing. A.M., Colorado State College, 1941; Ford Foundation Fellowship, Indiana University, Summer, 1959.

Reverend Joseph B. Kenkel, C.PP.S., Ph.D., President, 1927-37.

1922—Professor of Economics. Ph.D., Catholic University of America, 1922.

James A. Kenny, Ph.D.

1964—Assistant Professor of Psychology. M.S.W., Loyola University (Chicago), 1957; Ph.D., University of Mainz, 1962.

Richard L. Kilmer, M.A.

1953—Associate Professor of History, M.A., University of Notre Dame, 1947; Ph.D. (Cand.), *ibid.*

Reverend John R. Klopke, C.PP.S., M.A., Ph.D., Chairman, Department of Philosophy, Director of Summer Session.

1955—Associate Professor of Philosophy. M.A., Fordham University, 1955; Ph.D., University of Toronto, 1961.

Reverend Leonard J. Kostka, C.PP.S., J.C.L., Executive Assistant to the President, Chaplain.

1948—Associate Professor of Religion. J.C.L., Catholic University of America, 1942; Seton Hall University, Summer, 1948; Saint Louis University, Summer, 1954.

Reverend William J. Kramer, C.PP.S., L.Sc.N., Sc.D.

1953—Associate Professor of Chemistry. L.Sc.N., University of Fribourg (Switzerland), 1951; Sc.D., *ibid.*, 1952.

Reverend Clarence J. Kroeckel, C.PP.S., M.S.

1933—Professor of Biology, M.S., Catholic University of America, 1933; University of Chicago, 1944; University of Notre Dame, 1945-48; The Marine Biological Laboratory, Woods Hole, Mass., Summer, 1958.

Reverend Clement J. Kuhns, C.PP.S., M.A.

1948—Associate Professor of Classical Languages. M.A., Catholic University of America, 1952.

Reverend Frederick R. Lang, C.PP.S., M.A.

1960—Assistant Professor of Classical Languages, M.A., University of Michigan, 1962.

Reverend Joseph A. Lazur, C.PP.S., S.T.L.

1960—Assistant Professor of Religion, S.T.L., Laval University, 1961.

Adam P. Lesinsky, M.A.

1958—Associate Professor of Music. M.M., American Conservatory of Music, 1944.

Reverend Gerard A. Lutkemeier, C.PP.S., B.S. in L.S.; Assistant Librarian.

1937—Assistant Professor. B.S. in L.S., Catholic University of America, 1946.

12 SAINT JOSEPH'S COLLEGE

Daniel D. Lyons, M.A.

1958—Assistant Professor of Philosophy. M.A., Dominican College of St. Thomas, 1959; Danforth Fellow, University of Chicago, 1961-63; Ph.D. (Cand.), *ibid.*

Reverend Edward P. McCarthy, C.PP.S., M.A.

1958—Associate Professor of Philosophy. M.A., Catholic University of America, 1945.

Ralph A. Marini, M.B.A.

1960—Assistant Professor of Finance, M.B.A., Marquette University, 1960; Ford Foundation Faculty Fellowship, Indiana University, Summer, 1963.

Brother John A. Marling, C.PP.S., B.S.

1938—Associate Professor of Mathematics, B.S., Saint Joseph's College, 1938; Catholic University of America, Summer, 1938; John Carroll University, Summer, 1951.

Andrew G. Mehall, M.S.

1961—Assistant Professor of Biology, M.S., Syracuse University, 1961; Ph.D. (Cand.), University of Illinois.

Reverend Bernard J. Meiring, C.PP.S., M.A., Ph.D., Chairman, Department of Education; Director of Student Teaching.

1957—Assistant Professor of Education. M.A., University of Detroit, 1957; Ph.D., University of California, 1963.

Edward J. Menkhaus, A.A., B.S., Director of News Bureau.

1962—Instructor in Journalism. M.A. (Cand.), University of Wisconsin.

Donald J. Merki, M.S.

1961—Assistant Professor of Physical Education. M.S., University of Illinois, 1956.

Reverend Aloysius F. O'Dell, C.PP.S., S.T.L., S.T.D.

1957—Assistant Professor of Religion. S.T.L., University of Montreal, 1957; S.T.D., Gregorianum University, 1962.

Curtis M. Paulsen, M.S., M.A.

1962—Assistant Professor of Mathematics. M.S., University of South Dakota, 1960; M.A., University of Missouri, 1961.

Ralph A. Penington, M.S.

1962—Assistant Professor of Economics. M.S., Purdue University, 1962.

Hugh D. Rank, M.A.

1962—Assistant Professor of English; M.A., University of Notre Dame, 1956; Ph.D. (Cand.), *ibid.*

Reverend Ernest W. Ranly, C.PP.S., M.A., Ph.D.

1956—Assistant Professor of Philosophy. M.A., Saint Louis University, 1958; University of Chicago, Summer 1958; Ph.D., Saint Louis University, 1964.

Reverend Ildephonse J. Rapp, C.PP.S., A.B., Litt.D.

1904—Professor Emeritus of English, 1949; A.B., Saint Joseph's College, 1899; Litt.D., Saint Joseph's College, 1899; Litt.D., Saint Joseph's College, 1954.

Very Reverend Charles J. Robbins, C.PP.S., M.A., Registrar, Religious Superior.

1940—Associate Professor of Classical Languages. M.A., Catholic University of America, 1945.

Jacob S. Rodia, Ph.D.

1963—Associate Professor of Chemistry. M.S., University of Illinois, 1948; Ph.D., *ibid.*, 1952.

Reverend Edward M. Roof, C.PP.S., M.A.

1929—Associate Professor of Latin. M.A., Catholic University of America, 1931.

Reverend Charles R. Rueve, C.PP.S., Ph.D., Chairman, Department of Mathematics.

1946—Associate Professor of Mathematics. M.S., University of Notre Dame, 1949; Ph.D., *ibid*, 1963.

Reverend Ambrose A. Ruschau, C.PP.S., M.S.

1955—Associate Professor of Physics. M.S., Saint Louis University, 1956. N.S.F. Summer Institute in Radioisotope Technology, University of Michigan, 1964.

Martin D. Ryan, M.A.; Chairman, Department of Sociology.*

1959—Assistant Professor of Sociology. M.A., Purdue University 1961.

Thomas M. Ryan, M.A., Director of Guidance

1963—Assistant Professor of Education. M.A., University of Dayton, 1941; University of Cincinnati, 1947-48, Summer, 1948.

Vincent J. Salvo, M.S.

1964—Instructor in Sociology. M.S., Purdue University, 1964.

Richard F. Scharf, M.S., in P.Ed.; Chairman, Department of Physical Education; Director of Athletics.

1940—Associate Professor of Physical Education. M.S. in P.Ed., Indiana University, 1949; H.S.D. (Cand.), *ibid*.

Reverend Donald F. Shea, C.PP.S., A.M., Ph.D.; Chairman, Department of History.

1947—Associate Professor of History. A.M., University of Michigan, 1947; Ph.D., Loyola University (Chicago), 1956; Harvard University, Summer, 1958; Visiting Scholar in History, Columbia University, Summer, 1964.

Robert W. Shemky, M.S.

1956—Associate Professor of Education. M.S., University of Michigan, 1955; Purdue University, 1958; Summers, 1963, 1964; Semester I, 1963-64, Indiana University; Ph.D., (Cand.), *ibid*.

Reverend Urban J. Siegrist, C.PP.S., M.S., Ph.D.; Chairman, Department of Biology; Director of the Institutum Divi Thomae Research Station.

1936—Professor of Biology. M.S., Catholic University of America, 1936; Ph.D., Institutum Divi Thomae, 1958.

Helen B. Skinner, M.S.

1948—Assistant Professor. B.S., Purdue University, 1940; M.S., Columbia University, 1948.

Lyle H. Sleeman, Jr., M.S., Ph.D.

1963—Assistant Professor of Geology. M.S., Kansas State University, 1959; Ph.D., University of Missouri, 1964; N.S.F. Summer Institute, Indiana University, 1964.

Paul C. Tonner, B. Mus., Litt. D.

1918—Professor Emeritus of Music, 1963. B. Mus., University Extension Conservatory, Chicago, 1931; Van Der Cook Conservatory of Music, Summer, 1949; Litt. D., Saint Joseph's College, 1958.

Reverend David J. Van Horn, C.PP.S., B.F.A.

1962—Instructor in Art. B.F.A., University of Dayton, 1961; Fullbright Fellowship in Italy, 1961-62; Chicago Art Institute, 1962-64.

* Absent on Sabbatical leave, Purdue University.

14 SAINT JOSEPH'S COLLEGE

Willard G. Walsh, M.F.A.

1954—Associate Professor of Speech. M.F.A., Fordham University, 1949; Certificate, American Academy of Dramatic Arts, 1953.

Reverend Paul E. Wellman, C.PP.S., M.B.A.; Business Manager.

1957—Assistant Professor of Business Administration. M.B.A., Marquette University, 1962.

Reverend Paul R. White, C.PP.S., M.A.; Chairman, Department of Economics.

1956—Assistant Professor of Economics. University of Michigan, Summer, 1955; M.A., Catholic University of America, 1956; Cornell University, 1960.

Robert E. Wood, M.A.

1961—Assistant Professor of Philosophy. M.A., Marquette University, 1961; Ph.D. (Cand.), *ibid.*

PART-TIME FACULTY

Raymond H. Bevington, M.A.

1962—Instructor in Education. M.A., Indiana State Teachers College, 1949.

Mrs. John B. Egan, M.A.

1962—Instructor in Music. M.A., Indiana University, 1957; Ph.D. (Cand.), *ibid.*

John Nesbitt, B.S. (Eng.), LL.B.

1961—Instructor in Business Law. B.S. (Eng.), Purdue University, 1958; LL.B., Indiana University, 1958; Member of the Indiana Bar Association and American Bar Association.

Reverend Fred A. Schroeder, M.A.

1963—Instructor in Religion. M.A., University of Notre Dame, 1954.

PURPOSE AND AIMS

Saint Joseph's College is an independent institution of higher learning dedicated to being a community of scholars — teachers and students — working in mutual association under the leadership and direction of its teachers, towards the spread, preservation, clarification, discovery and defense of truth. Whether the truths of the sciences, arts and skills be viewed as revealed or acquired, as speculative or practical, as moral or artistic, the dedication to these truths and the search for them is the primary purpose of Saint Joseph's. The academic and the general policies and procedures of the college as well as the relationship of Saint Joseph's to its public are conceived and carried out in terms of this basic purpose.

At the same time, Saint Joseph's College also recognizes that it exists in the larger context of society, and that its faculty and students have definite relations and obligations to the family, the state and the Catholic Church, as well as to various other societies representing industry, business, labor, health and recreation. For this reason, the College adopts as its own those aims toward which the family, state, Church and other societies are directed.

Foremost among these aims which the College actively provides for and promotes is that goodness of personal, family, social and religious life made possible by practice of the theological and moral virtues. In this respect, the College again maintains that both faculty and students can understand better what they must be and what they must do in the city of man so as to maintain their sublime end in the city of God, by means of fulfilling their calling in life as witnesses to truth.

The College adopts and proposes to its faculty and students other worthy aims which are required and helpful to them in seeking and in striving for goodness of life. Among these are the need for observing social justice as well as of pursuing individual rights, the importance of fulfilling one's vocation in life, and the need of discipline, of recreation and of mental and physical health. But it is the belief of Saint Joseph's College that no matter how worthwhile these

16 SAINT JOSEPH'S COLLEGE

aims are, they can be more surely achieved to the extent that teacher and student are dedicated to their proper purpose, truth.

Moreover, the College believes in truth for our age and times. It places its emphasis on the truths of the sciences, arts and skills with which it is concerned and chooses its curriculum in terms of the problems, questions and needs of the time in which it lives. Saint Joseph's College is convinced that any and all of the truths which it considers — whatever they may be — are to be sought for their own sake primarily; for it is only in this way that they can lead to goodness of life, further the good of family, state and Church, and be of value to industry, business and all human endeavors.

In conclusion, the primary consideration and concern of the College is for the academic community of teachers and students, to whom it offers a permanent vocation as witness to truth. The library, the counselling of students, the social, recreational and physical facilities, the classrooms and laboratories — all are viewed as means and as conditions contributing towards its main purpose, truth.

COLLEGE HISTORY AND CAMPUS

HISTORICAL SKETCH

In 1868, a frame dwelling was erected a mile south of Rensselaer as a home for thirty-five orphans. The home was closed in 1887. Two years later, the Most Reverend Joseph Dwenger, bishop of the Diocese of Fort Wayne, offered the vacant orphans' home and the land to Father Henry Drees, then Provincial of the Society of the Precious Blood, with the stipulation that a college be founded there. During the same year, 1889, Saint Joseph's College was incorporated under the laws of the State of Indiana with the right to grant the usual degrees.

With the coming of summer, 1891, the first building, now the southern half of the Administration Building, was finished, and the first students were enrolled. In 1893 the building was extended to its present proportions.

Education at early Saint Joseph's was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching, and for immediate entry into business. The new college passed its first major milestone June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little up to 1925. At that time the college was converted into a minor seminary, and for a period of six years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1931, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and in June, 1938, its first class of four-year men was graduated.

Principal buildings on the campus at that time were the Chapel, Administration Building, Gaspar Hall, Dwenger Hall, Science Hall, Drexel Hall, and the Power Plant. A building program was launched in the summer of 1939, and between that year and 1941 were erected Seifert Hall, Merlini Hall, Xavier Hall, and the Fieldhouse.

World War II halted the program of expansion. In 1946 an extensive remodeling program was begun to modernize the Chapel Dining Room, the Fieldhouse, the Library and the Publication Building.

In 1954 a new phase of the expansion program was initiated with the construction of Bennett and Noll Halls. Halas and Gallagher Halls were added in 1957 and in 1963 the Halleck Center and the Faculty Building were completed.

18 SAINT JOSEPH'S COLLEGE

In 1951, in response to the need for a Catholic college in the Calumet region of northwestern Indiana, the College began an extension program in East Chicago. This developed into Saint Joseph's College Calumet Center which by 1963 had progressed sufficiently to be given the status of a campus, known as Saint Joseph's College Calumet Campus, offering a full four-year college program in most of the same areas of study as are offered on the Rensselaer Campus.

Since its founding in 1889, Saint Joseph's has had the following twelve presidents: The Very Revs. Augustine Seifert, Benedict Boebner, Hugo Lear, Ignatius Wagner, Didacus Brackman, Joseph Kenkel, Rufus Esser, Cyril Knue, Aloys Dirksen, Henry Lucks, Alfred Zanolar, and Raphael Gross.

CAMPUS AND BUILDINGS

One hundred and thirty acres have been laid out in parks, lawns, and campus. Dotting the campus are various buildings designed to serve the educational needs of Saint Joseph's students.

The Administration Building is centrally located near the main entrance to the campus. The first floor houses the offices of administration, while the other floors house class rooms and faculty offices.

The Chapel, dedicated in May, 1910, is the most imposing edifice on the campus. It is an attractive brick and stone structure in the Romanesque style of architecture. Its large sanctuary provides ample room for the proper observance of the beautiful solemn ceremonies of the Church. Beneath the chapel is the cafeteria. Renovated in the summer of 1946, this large hall accomodates Saint Joseph's students in bright and cheerful surroundings.

Gaspar Hall, one of the oldest buildings on the campus and formerly a faculty residence, houses approximately fifty students. It is named in honor of the founder of the Society of the Precious Blood, Saint Gaspar del Bufalo.

Dwenger Hall, named for the second bishop of the Diocese of Fort Wayne, serves as an infirmary and dispensary. It was erected during the summer of 1907.

Drexel Hall was at one time used as a school for Indians. Renovated in 1937, the three-story structure accommodates one hundred and twenty students. It is named after Mother Catherine Drexel who provided funds for its erection.

Xavier Hall, dedicated to Saint Francis Xavier, patron of the Society of the Precious Blood, is the residence of the students who are preparing for the priesthood in the Society. It was erected in the fall of 1940.

Seifert Hall, residence hall for sophomores, was finished in 1939. It was named for Saint Joseph's first president, the Very Reverend Augustine Seifert, C.P.P.S. The hall accommodates one hundred and fifty students.

Merlini Hall was dedicated in the fall of 1940. It has been named after the Venerable John Merlini, the Third Moderator-General of the Society of the Precious Blood. It accommodates ninety students.

Noll Hall, dedicated in the spring of 1955, named after the Most Reverend John F. Noll, Bishop of Fort Wayne, an alumnus and generous patron of the college. It houses ninety-eight students.

Bennett Hall, dedicated in the spring of 1955, is named after the Most Reverend John G. Bennett, first Bishop of Lafayette in Indiana, an alumnus and generous patron of the college. It houses ninety-eight students.

Gallagher Hall, dedicated in the fall of 1958, is named after Robert A. Gallagher, First Chairman of the Saint Joseph's College Board of Lay Trustees and a generous patron of the College. It houses 120 students.

Halas Hall, dedicated in the fall of 1958, is named after George S. Halas, a member of the Board of Lay Trustees and a generous patron of the College. It houses 120 students.

Aquinas Hall, opened in the Fall of 1959, is named after St. Thomas Aquinas. It houses 46 students.

The Science-Library Building consists of a north-south wing, completed in 1915, and an east-west wing, added in 1936. The former houses the music department, the auditorium, and the library. The new wing is devoted to classroom space, physics, chemistry, biology, geology, and special research laboratories.

The Publications Building is a former power plant which was completely renovated in 1946 to provide space for offices of the various campus publications. It now houses the offices of the Saint Joseph's College Alumni Association and the Post Office.

20 SAINT JOSEPH'S COLLEGE

The Fieldhouse was erected in 1940. Changes made in 1946 have provided seating for two thousand spectators and locker space for some five hundred participants in the sports program.

Halleck Center is named after Charles A. Halleck, Indiana representative in Congress and a number of the Board of Lay Trustees. It contains a cafeteria, student recreation facilities, a multipurpose room and offices for the faculty and student council. The cornerstone for the building was laid by General Dwight D. Eisenhower on September 13, 1962.

The Faculty Building, dedicated in May, 1963, is the new residence for priests and brothers of the Society of the Precious Blood. The Y-shaped structure is adjacent to the community dining room and oratory.

The Library. The library is a vital part of the institution's educational program. It attempts not only to implement and extend class instruction by stimulating study and research, but also to supply such recreational reading material as will foster a love for good books and cultural reading generally.

The library comprises over twenty-three thousand square feet of floor space, sufficient to seat two hundred students and to accommodate more than one hundred thousand volumes. Near the circulation desk and reference room is the reference librarian's desk, where a trained librarian is ready to help the student on a research project or to give him guidance in a reading program.

For the student's convenience there is a room set aside for typing and for microfilm reading. Two conference rooms are also provided on the main floor where small classes may use extensive library material as part of their class work. These rooms are available to groups of students working together on some project requiring cooperative use of library materials. In the lower stack area there are forty-five carrels which provide the student with an individual study desk located near a large, selected group of bound periodicals and journals.

The library has over one hundred thousand books and bound periodicals. It is also a depository library for Government documents. Over one thousand periodicals are currently received. In vertical files, in the reference room, there is a selected group of pamphlets and a separate collection of vocational guidance material. A map collection of over 27,000 is separately housed in the Geology Department.

Laboratory Facilities. Science Hall houses the laboratory facilities for the Departments of Biology, Chemistry, Geology, and Physics.

The biology laboratories, situated on the second floor of Science Hall, provide up-to-date equipment for courses in fundamental zoology and botany, microtechnique, microbiology, embryology, histology, comparative vertebrate anatomy, human anatomy, and physiology.

On the third floor of Science Hall are well-equipped laboratories for the use of students of general inorganic and organic chemistry, biochemistry, quantitative and qualitative analysis, and physical chemistry. In addition, there is a large demonstration laboratory.

Geology laboratories, adequate for courses in physical geology, historical geology, mineralogy, petrology, paleontology, photogeology, subsurface geology, stratigraphy, and economic geology are found on the basement level in Science Hall.

The physics laboratories, also situated on the basement level in Science Hall, are equipped for courses in general college physics, electricity and magnetism, physical optics, meteorology, physics of radiology, modern physics, heat, electronics, and radio.

Research. In September of 1946, Father Urban J. Siegrist began special research work in connection with the Institutum Divi Thomae, which was founded in 1928 by the Most Reverend John T. McNicholas, O.P., S.T.M., Archbishop of Cincinnati.

A laboratory for research in cellular physiology was built in 1955 under the direction of Doctor Jay Barton who is currently investigating the chemistry and physiology of all nuclei.

Music Department. Saint Joseph's has long recognized the value of music and its contribution to a liberal education. The College seeks to give every student an opportunity for musical expression according to his talent or inclination. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments. Students with previous training and experience are urged to join the band, orchestra, or glee club.

The College Community Association. This association, a community building project for College families, was formally approved and incorporated under the laws of Indiana, December 14, 1956. The College has backed this project with the aid of the 1955 Ford Faculty Grant and has made available a 25 acre wooded area for homes.

STUDENT PERSONNEL SERVICES

STUDENT GUIDANCE

Orientation Program. At the opening of the fall semester, the College conducts an orientation program for all new students. Faculty members act as counselors and assist new students in planning their programs for the first semester. In meetings held during these days, the student learns about Saint Joseph's — its traditions, equipment, regulations, and opportunities. Further orientation is given the student during his first semester at the College.

It is the purpose of the College to make the activities of orientation week as interesting and helpful as possible, so that by the time classes begin the new students are settled and are acquainted with the campus, the faculty, and classmates.

The Testing Program. Students entering Saint Joseph's take orientation tests in various fields, the results of which are used chiefly to give the counselor information needed in planning wisely the educational program of his counselees.

Other tests required of all students, in addition to those prescribed by the instructors in the classes, are the Senior Comprehensive Examinations, which the student takes prior to graduation. Results of these tests are used to check the student's progress.

Counseling. The Director of Guidance assigns to each freshman a member of the faculty to act as his advisor in educational, vocational, and personal matters. Students above the freshman level are permitted to select their own counselors from a list prepared by the Director of Guidance.

Each faculty counselor has access to grades, test results, health record, and other pertinent information on his counselees so that he may be better acquainted with their individual problems.

Religious Exercises. The forming of a true Christian character in the student is the highest aim in education. This happy result can be attained only through religion. The student, therefore, should prize the knowledge and love of religion as his richest possession, and he should be eager to do his part in helping to create and to maintain a religious atmosphere in the daily life on the campus.

All Catholic students are required to make the annual student retreat and are urged to attend daily Mass and Benediction as also the various devotions. Opportunity for confession is available daily.

The program of religious exercises is arranged by the Chaplain, who is likewise available for consultation on matters of religious observance.

Health Service. The In-Patient and Out-Patient sections of the Health Service are under the supervision of two Registered Nurses. The College Physician has regular hours at the Health Service three days a week and is also available at other times if needed. To insure proper care, quiet, and comfort for sick students, the Health Service is provided with efficient and modern equipment.

At Saint Joseph's, emphasis is placed upon health and physical fitness. All students are required to have a Health Form completed by their family physician attesting to a state of general good health. For the protection of each student now living in a large group every student must have, within 12 months of entrance into College the following: a negative Schick Test (if test is positive Diphtheria Toxoid should be given); vaccination for Smallpox; Tetanus Toxoid; Serology; Urinalysis and Chest x-ray. Polio and Influenza Vaccines are also required. These two vaccines are kept on hand at the Health Service at a nominal fee if ensuing doses are required.

Members of the college athletic teams are examined annually by the college physician to insure the physical fitness of all players.

Recreation and Athletics. Recreational activities have been a part of every civilization, and educators, past and present, are in agreement that competitive sports can be helpful in directing the energies of young men into wholesome channels to the end that student health be safeguarded and physical fitness promoted. Inter-collegiate athletics, properly supervised and controlled, contribute to the total educational program of a college.

Saint Joseph's is a member of the Indiana Intercollegiate Athletic Conference. A program of intercollegiate games is provided in football, basketball, baseball, track, golf, bowling, wrestling, and tennis. In addition, the College also supports a well-developed program of intramural games with the idea that all students should participate in sports and "carry-over" recreational skills useful in a society apparently destined to enjoy increasingly more leisure time.

Students participating in intramurals are urged to get insurance coverage; the College will not be responsible for injuries incurred in intramural games.

Furthermore, in order to develop leaders in the area of physical education, the College maintains a Department of Physical Education staffed by competent teachers, supported by a curriculum of standard quality, and supplemented by "laboratory" experience provided through its program of intercollegiate and intramural sports. In all forms of recreation and physical development, the spirit of friendly competition is encouraged and the habit of fair play is inculcated.

24 SAINT JOSEPH'S COLLEGE

In its athletic program, Saint Joseph's College is governed by the policies of the North Central Association of Colleges and Secondary Schools and by the rules of the Indiana Intercollegiate Conference.

Recognizing the excellent athletic and physical training facilities provided by Saint Joseph's, the Chicago Bears of the National Professional Football League have selected the College as their pre-season training site each summer since 1944.

Veterans Assistance. Saint Joseph's College is officially approved as a school for veterans of military service under the provisions of Public Law 550 and 894 for the Korean veteran, and for war orphans under Public Law 634. For further information, those concerned should address the office of the Registrar.

Military Service. Selective Service provides qualified students with various opportunities for deferment, and the College makes special efforts to acquaint its students with these opportunities.

The Selective Service regulations, as they affect students, were written so as to provide young men with an opportunity to attain the highest educational status possible in order that they may be better suited to serve the defense needs of the nation. It is the experience of the College and its students that almost all draft boards agree with this objective and are willing to defer qualified students to enable them to continue their education. A folder outlining current Selective Service regulations as they affect students is available upon request from the College.

While Saint Joseph's does not offer R.O.T.C. programs, students in our accredited College are eligible to enlist in the U.S. Marine Corps Platoon Leaders Class, a program carrying draft deferment until graduation and leading to a commission and active duty in the Marine Corps. A folder descriptive of the Platoon Leaders Class is available at the College.

Representatives of the various branches of the armed forces periodically visit the campus to acquaint students with the opportunities for specialized service after graduation.

Placement. The College does not regard its work as finished until it has seen its graduates established in suitable employment. A placement bureau is operated by an experienced staff member who advises the student in choosing his first job and, when necessary, assists him in finding employment in his chosen field, both directly and through cooperation with recognized governmental and private employment agencies.

ORGANIZATIONS AND ACTIVITIES

Student Government. All members of the student body of Saint Joseph's College, exclusive of the seminarians of the Society of the Precious Blood, are members of the Student Union and are governed by its constitution. Its student-elected officers, the four class presidents, and the chairman of the intra-club committee comprise the Student Council. The Student Council, or its committees, representing the Student Union, serves as a channel of communication and consultation between the student body and the faculty and administrative officers of the College.

Extracurricular Professional Groups. While the academic life has first claim on the student's time, membership in campus professional-interest groups is heartily encouraged at Saint Joseph's. Such associations enable the student to meet his fellow students and his instructors formally and to learn about his chosen field through group projects, movies, field trips, club meetings, and through contact with prominent men who appear as guest speakers.

Participation in these activities stimulates common professional inclinations, promotes cooperative efforts, and complements the classroom teaching by experiences in group planning.

Included among these professional-interest groups at Saint Joseph's are: the **Accounting Club**; the **Society for Advancement of Management**; the **Student National Education Association**; the **Law Club**; the **Debating Club**; the **Engineers Club**; the **History Club** for those who take courses in that area; the **Sociology Club**; the **Geology**, and the **Digamma Kappa Lambda** clubs for those who are studying the natural sciences.

In the fine arts, Saint Joseph's has long realized the value of dramatic and musical activities in college life; through them the student becomes an active participant in the artistic accomplishment of others.

Students can find an outlet for their dramatic talent in the **Columbian Players**, the College's oldest extracurricular society. Each year the group presents productions, builds its own stage settings, and handles all lighting equipment, under the supervision of an experienced faculty director.

The Saint Joseph's College **GLEE CLUB**, open to qualifying students, appears in concerts on and off campus. The repertoire includes a wide variety of selections ranging from oratorios and polyphonic motets to modern show pieces and negro spirituals.

The College **BAND**, open to instrumentalists who qualify, appears in classical as well as "pop" concerts. For athletic contests the Band provides appropriate music and marching maneuvers.

26 SAINT JOSEPH'S COLLEGE

Three campus publications afford students experience in different types of writing. *Stuff* is the campus weekly newspaper. *Measure*, the literary journal, contains longer articles, such as research papers, short stories, plays, essays, poetry, and book reviews. *Phase*, the pictorial yearbook, makes its appearance early in the first semester.

Social Clubs. Social and recreational activities, too, are recognized at Saint Joseph's as necessary for the proper development of the student. Membership in campus clubs and participation in the year's social events are strongly encouraged. Each year various student organizations sponsor dances, highlighted by the fall homecoming celebration and the spring formal prom, in addition to a number of Saturday night "mixers" to which young ladies from colleges for women are invited. Saint Joseph's students also attend functions on the girls' campuses.

Social organizations on the campus include the Monogram Club for varsity lettermen, The Father Falter Veterans Post, the Chicago Club, the Lake County Club, The Camera Club, Chess-Checkers Club, Rifle Club, San Jose Railroad Club, Fort Wayne Club, Detroit Club, Ohio Club, Weightlifting Club, the Colonial Club, Gymnastic Club.

Religious Groups. Several of the extracurricular campus societies have objectives which are primarily religious.

The Don Bosco Club is for altar boys and for those students who would like to learn to serve at Mass. Daily, about fifty priests offer Mass in the three campus chapels.

The Sanguinist Club is the official campus organization for Catholic Action. Under the club are the Holy Name Society and the Pious Union of the Precious Blood. The Sanguinists assist in the organizing of religious activities at the College.

Affiliated with the Catholic Students' Mission Crusade, the Dwenger Mission Society has as its object the study of home and foreign missions and the promotion of their welfare by prayer, sacrifice, and small fund-raising projects.

SUPERVISION OF STUDENT LIFE

The College assumes that men of college age have an adequate conception of the duties and responsibilities expected of them, and that every student who enters Saint Joseph's thereby indicates his readiness to comply with its rules and regulations. At the same time it recognizes an obligation to both students and parents to provide advisory and supervisory agencies.

In matters pertaining to social life, discipline, curriculum, and scholarship, all students come under the counsel and supervision of the Academic Dean, and the Dean of Students, according to the respective jurisdiction of each office. Matters of health are in charge of the College Physician. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

As a further part of the system of supervision, each residence hall has a Rector and one or more faculty members in residence whose duty it is to counsel students on personal matters.

Discipline. Upon entering, each student is furnished with a Student Handbook in which the specific rules of discipline and other regulations are contained. The Dean of Students is the official representative of the College in matters pertaining to the observance of right order and good citizenship both on and off the campus.

Attendance at Saint Joseph's is a privilege and not a right, and it is understood that this privilege may be withdrawn from anyone who does not conform to the traditions and regulations of the College. Every effort is made to encourage the student toward self-government in accordance with the ideals of obedience, honesty, courtesy, and charity. When, however, a student manifests an inability or unwillingness to cooperate with the College in maintaining its regulations and policies he subjects himself to disciplinary action. Matters of discipline are handled by the Dean of Students and the Committee on Discipline. The jurisdiction of the Committee includes cases of dishonesty, intoxication, immoral or improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the College. The penalties imposed by the Committee on Discipline may be probation, suspension, dismissal, or other action they may deem advisable.

Leave of Absence. Permission to leave the campus overnight, or for a longer period of time, must be requested from the Dean of Students. Freshmen may secure weekend permissions once every four

28 SAINT JOSEPH'S COLLEGE

weeks. Regarding town night, freshmen are generally permitted Saturday and Sunday night until 11:30. They may visit Rensselaer during the day without special permission, but must be on campus by 10:00 p.m., except on town nights.

Sickness. Any student requiring the services of the infirmarian should present himself at the Health Center in Dwenger Hall during the appointed hours. Emergency cases will, of course, be taken care of at any time. No student will be excused from class on the plea that he was sick unless he has seen the infirmarian before he misses the class. When a student is advised by the infirmarian to remain as a patient, the Dean of Students must be informed.

Student Rooms. Students will be held accountable for the appearance and condition of their rooms. Occupants will, furthermore, be held responsible for any damage to the room. All necessary repairs due to carelessness will be made at their expense.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, lamps, pillows, and pillow cases for personal use. Towels and bed linens may be rented at the college laundry.

Rooms, most of which are equipped for two men, are furnished with beds and mattresses, chairs, desks, and clothes lockers. At least one set of cleaning equipment is required for each two rooms (four students). Cost on this basis if purchased from the college is \$2.00 per student. Cost of lamp (maximum wattage 100) is \$10.00 to \$15.00, and of pillow is approximately \$5.00, if purchased from the college.

The use of electrical appliances other than radios, record players, and electric razors is prohibited.

Wardrobe. Students are to dress with reasonable neatness. They should come to college sufficiently supplied with the necessary articles of use and wear. Generally, the wardrobe which a student has at home will be suitable for his purpose at College.

A private agency operates a commercial laundry on the campus and will handle campus laundry at a special rate. Attached to the laundry is a laundromat where the student may make use of automatic washers and dryers.

Day-Students. Non-boarding students are admitted to Saint Joseph's provided that during their period of attendance they live either at home or with relatives responsible for them. The College has been able to assist a limited number of married students in locating suitable housing in the city of Rensselaer.

Employment. Students who desire employment on or off the campus as a means of partial self-support should register at the office of the Dean of Students. While the College is in session, resident students may not accept employment off the campus or engage in any business enterprise without the written permission of the Dean of Students. Such permission is also required for canvassing or soliciting money, subscriptions, or donations, on the campus or in the city of Rensselaer.

Automobiles. Students are permitted to have cars on the campus, but may use them only under the conditions laid down by the Dean of Students in the "Student Handbook".

Visitors. Parents and relatives of the students are welcome at the College at any time of the year. They are, however, asked to arrange their visits so as not to interfere with the student's class attendance.

30 SAINT JOSEPH'S COLLEGE

EXPENSES AND FEES

Because of uncertain conditions in the financial world, all terms entered into between the College and the students and parents of students concerning expenses are in force for the ensuing year only; they are subject to revision or renewal each year.

Cost Each Semester

Tuition for one semester \$425.00

This entitles the student to:

- 1. Academic instruction and advisory direction.
- 2. Ordinary medical care in the Health Service.
- 3. Subscription to campus newspaper, literary journal, and year book.
- 4. Admission to plays, lectures, concerts, and home athletic events.
- 5. Use of athletic facilities.

Members of same family attending simultaneously may make the following reductions from tuition: Second member, 25%, third member 50%. Fourth or more members attending simultaneously will be given free tuition.

Board for one semester \$325.00

This entitles the student to three meals a day, seven days a week, except during scheduled vacation periods.

Room for one semester

College Residence Hall \$110.00
Private Home off Campus Special Arrangement

Special Fees

Application fee (paid once — at time of application) \$ 5.00
Student Council fee (paid each semester) 10.00
Halleck Center fee (paid each semester) 25.00
(for part-time students: \$1.50 per credit hour)
Graduation fee (paid once — Senior year) 20.00

Conditional Fees

Late registration \$ 5.00
Tuition per credit hour above 17 15.00
Tuition per credit hour for part time students 30.00
Laboratory Fee for science courses \$7.50 to 15.00
Music Lessons: Lesson per week per semester 30.00
Student teaching (Advanced Education students) 20.00
Special and conditional examinations, each \$2.00 to 5.00
Infirmary, each day 3.00
Transcript of credits Students \$0.50, Alumni 1.00

FINANCIAL REGULATIONS

Upon acceptance by the admissions officer, the student is to make an advance payment of \$25.00. The advance payment is non-refundable. This amount, however, will be deducted from his first semester payment.

The fee of \$895.00 for tuition, board, room and Student Council fee is due two weeks before the beginning of each semester. For those, however, who wish to budget their payments, the services of the Tuition Plan, Inc.; 400 N. Michigan Ave., Chicago, Ill. 60611, are available.

Textbooks, laundry service, cleaning equipment for student rooms, and desk lamps are not included in the College fees, but can be purchased on the campus. The average cost of textbooks per semester is about \$35.00.

Remittance should be made payable to Saint Joseph's College by bank draft, personal check, or postal money order through the Rensselaer post-office, and mailed to: Office of the Treasurer, Saint Joseph's College, Rensselaer, Indiana.

Students whose accounts are not paid within the semester will not be admitted to the semester examinations.

Degrees, transcripts, and letters of honorable separation are withheld from those who have not settled their financial obligations to the College.

Students will be personally responsible for all expenses incurred in Rensselaer, including physician, dentist, and oculist fees.

Books, stationery, and other articles may be purchased at the College Book Store.

Students will be required to furnish all blankets, lamps, comforters, bedspreads, sheets, pillows, and pillow cases for personal use.

Charges will be made for damages to property; for medicine, applications, special nursing, and physician's services when required at the local Health Center.

Bank. For the convenience and education of the student, the College operates a private banking system. The student may deposit and withdraw from his account at will. Through this convenience he will learn to handle his funds with discretion and foresight.

Refund Policy. Students who withdraw before the end of the semester will be charged for room and board at the rate of \$4.00 for each day, no refund allowance being made for incidental absences. Student Council fee is non-refundable. The Halleck Center fee is refunded on the same basis as tuition. Tuition charges will be assessed on the following percentage basis:

One week or less, 20%; between one and two weeks, 20%; between two and three weeks, 40%; between three and four weeks, 60%; between four and five weeks, 80%; over five weeks, 100%.

32 SAINT JOSEPH'S COLLEGE

STUDENT AID

Students who need financial aid and meet the requirements of the various programs may avail themselves of the Academic Scholarship, Grant-in-Aid, and Student Employment programs. The College expects that all students who need aid will also help themselves through gainful employment during the summer months and at Christmas time.

Academic Scholarships. Saint Joseph's College annually offers \$40,000.00 in academic scholarships to worthy and needy high school seniors. The scholarships are awarded on the basis of academic achievement and promise as determined by the student's high school record and his scores on the College Entrance Examination Board Tests. The amount of the scholarship is based on the student's financial needs as determined by the College in cooperation with the College Scholarship Service.

Steps In Applying For A Scholarship. Students should follow this procedure:

1. Obtain Scholarship Application Form by writing to the Director of Admissions, Saint Joseph's College, Rensselaer, Indiana.
2. Fill out Scholarship Application Form and mail to the Director of Admissions.
3. Have High School Principal send directly to the Registrar at Saint Joseph's College the transcript of High School record.
4. Take College Entrance Examination Board Tests as described below.
5. Submit Parents' Confidential Statement to the College Scholarship Service, as described below.

College Entrance Examination Board Tests. All candidates for Academic Scholarships will take the Scholastic Aptitude Test (morning test) of the College Entrance Examination Board, not later than March of the year in which they wish to gain the scholarship. Registration blanks for the test, complete information on the time, place, and nature of the tests can be obtained from either of the two CEEB service centers, namely: College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey, or College Entrance Examination Board, P.O. Box 27896, Los Angeles 27, California. (Results of the test will be sent by the Board to as many colleges as the student desire.)

College Scholarship Service. All academic scholarships to Saint Joseph's College are based on academic ability and financial need. To help in determining the financial need of the student the College uses the College Scholarship Service. The principal instrument of the College Scholarship Service is a confidential form on which the parents of the applicant itemize pertinent family information and financial data. This statement is to be filled out only once by the parents and returned by them to the Service, which then transmits exact copies to those colleges which the parents list on the statement to receive them. The form for this confidential statement is available to the student at his High School.

Announcement of Winners. All necessary material must be on file at Saint Joseph's College not later than Apr. 1. The Scholarship Committee will meet not later than May 1 to determine the winners and the amount of each scholarship.

Renewal of Scholarships. The first scholarship is granted for the freshman year. It is thereafter renewable every semester which the student spends at Saint Joseph's College until he graduates, provided that in the previous semester he has maintained at least a B average. When a student withdraws from the College the scholarship is automatically terminated and cannot be renewed except by special action of the Scholarship Committee.

General Scholarships. A limited number of scholarship grants of varying amounts are also available to sophomores, juniors, and seniors who give evidence of outstanding scholarly attitudes and attainments, and who establish the fact that they need financial assistance to continue in college.

All scholarship awards are made for one semester, but will be renewed for succeeding semesters provided the recipient continues as a student in good standing at Saint Joseph's and has maintained the required scholastic index which will ordinarily be interpreted to mean a general average of B grade.

These scholarships are made possible through the generosity of alumni, trustees, and other friends of the College, and through the following endowed funds.

Endowed Scholarships

The Saint Elizabeth Foundation. A fund established by Mrs. Elizabeth Mullen. The income from \$5,000 is available for a pre-theology student, preferably from St. Patrick's Parish, Kokomo, Indiana.

34 SAINT JOSEPH'S COLLEGE

The Monsignor O'Keefe Scholarship. The sum of \$300 is available each year for a student or students designated by the pastor of St. Mary's Church, Akron, Ohio.

The Monsignor Moore Scholarship. A fund providing for tuition, board, and lodging for a pre-theology student from the Peoria Diocese.

The Michael and Mary Brisch Scholarship. The income from \$5,000 is available to assist in the education of a pre-theology student.

The Father Seifert Scholarship. The income from the Collegeville gravel deposits is available for a student or students selected by the Scholarship Committee.

The Schumacher Family Scholarship. The income from \$12,000 is available for a student or students selected by the Scholarship Committee.

The Henry W. Schmidt Scholarship. A trust fund of \$7,145 to assist students selected by the Scholarship Committee.

The Bishop Leo A. Pursley Scholarship. The sum of \$500 is available each year for a student from the Diocese of Fort Wayne-South Bend.

The Irene and Arthur Hellyer Scholarship. Income from a fund is available for a needy and worthy student for the priesthood.

The Frank M. McHale Scholarship. The income of funds provided by the friends of Mr. McHale on the occasion of his 70th birthday is available for scholarship.

Grants-in-Aid. Grants-in-aid are forms of financial assistance available to needy and deserving students to assist them in furthering their education. Those interested should apply to the Registrar.

Vocational Rehabilitation. Under the provision of Public Law 565, the federal government and the state jointly provide funds for scholarship grants-in-aid to students who have a physical or mental impairment which constitutes a vocational handicap. The State Vocational Rehabilitation Division is responsible for the determination of the grants. At Saint Joseph's College the Registrar's Office accepts referrals for applications. The grants pay tuition and some fees.

Student Loan Fund. The student loan fund exists for the benefit of students who are unable to meet their current expenses. Applications are made at the Office of the Dean of Students. Approval of parents or guardians is required before a loan will be granted.

Government Loan Fund. National Defense Student Loans — sponsored jointly by the Government and the College — are available to Saint Joseph's students who qualify under the regulations set down by the National Defense Act of 1958. Qualified students may borrow up to \$1,000 in one year and not more than \$5,000 during their entire course in higher education. Repayment of the loan begins one year after the student ceases to be a full time student and may continue for ten years. The interest rate is 3% per year. The National Defense Education Act contains a provision that up to 50% of the loan (plus interest) may be cancelled in the event the borrower becomes a full-time teacher in a public elementary or secondary school. Applications for a Government Loan should be requested from the Registrar, Saint Joseph's College.

In addition to the National Defense Student Loan there are also other educational loans available at most banks. Students should make inquiry at their hometown bank or at the Registrar's Office.

Employment. Among those who attend the College, some may find it necessary and expedient to contribute to their own support through employment. The student should bear in mind that gainful occupation is an activity subservient to his academic life. He should not center his attention upon anything that will detract from his scholastic progress. It is particularly difficult for the first-year student to work for self-support and carry a normal class load at the same time. He needs his time to make the necessary adjustments and to do his regular college work satisfactorily. It is doubtful whether any student should enter college without sufficient funds to defray all expenses for at least the first semester.

For those who can maintain the required scholastic average besides performing some gainful tasks, a limited number of self-aid projects are available. There are a few calls for clerical and laboratory assistants, but most openings for employment are for janitorial and dining-hall jobs. Assignments are made on the basis of financial need, academic record, and probable success in performing the duties assigned. Applications for campus employment should be filed in the office of the Dean of Students.

Resident students may not accept employment off the campus or engage in any business enterprise during the time that the College is in session without the written permission of the Dean of Students.

ACADEMIC POLICIES AND PROCEDURES

The provisions of this Catalogue represent adopted policies and current practices, but are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change provisions or requirements and to fix the time when such changes shall become effective.

Admission. All correspondence relating to admission should be addressed to the Director of Admissions, Saint Joseph's College, Rensselaer, Indiana. Application for admission should be filed as early as possible, and all credentials should be in the hands of the College at least three weeks before the opening of the school term. Application forms will be sent upon request. An application fee of \$5.00, not refundable and not applicable to other charges, must accompany the application. All credentials submitted as part of the admission procedure become the property of the College.

General Requirements For Admission. All applicants shall comply with the following requirements:

1. Application form filled out completely by the applicant.
2. Official transcript of credits from all high schools and colleges previously attended, mailed directly from the schools to the Director of Admissions.
3. Evidence of good health and proper immunization provided on an official medical certificate form supplied by the College after an application has been approved.
4. Notification of acceptance from the Director of Admissions. Final action in each case is based upon satisfactory evidence of moral fitness and scholastic ability of the applicant to succeed and profit as a student at Saint Joseph's College. The Committee on Admissions reserves the right to require any candidate to submit additional evidence in this regard before making its decision.

Admission to Freshman Standing. Candidates for freshman standing will be selected from among applicants who, in addition to being persons of wholesome character, sound morals, and good citizenship, present the following academic qualifications:

1. Certificate of graduation from an approved high school. Graduates from other high schools may be accepted conditionally; full standing will be dependent upon subsequent work.
2. Minimum of fifteen units, ten of which must be from the following academic fields: English, Foreign Language, Social Studies,

Mathematics, and Natural Science. (It is not necessary that all of these fields be represented in the ten units.) The term "unit," expressing a measure of academic credit, represents a subject carried through not fewer than thirty-two weeks with five recitations a week, or the equivalent.

3. Every applicant for admission to the freshman class is required to take the Scholastic Aptitude Test of the College Entrance Examination Board. The test is given in December, January, March, May, and August. It is recommended that the Scholastic Aptitude Test be taken early in the senior year. Students wishing to make application to take the tests should procure application forms from their secondary schools, or write directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey, or Box 27896, Los Angeles, California, for the Bulletin of Information, which includes an application form and is available without charge. The bulletin lists test centers and gives complete information concerning the tests. Because of deadlines for filing application to take the College Board tests, the student must make his arrangements well in advance of the testing date so that his application may be received in Princeton or Los Angeles by the closing date.

4. Two of the following three criteria of academic achievement and aptitude:

- a) Average of C or 80 or equivalent in total school work.
- b) Rank in upper half of high school graduation class.
- c) I. Q. of 110 or equivalent.

Note: Whether or not the student meets these entrance requirements will be determined on the basis of information contained in his high school record. It is understood that these minimum requirements do not necessarily guarantee an applicant's admittance. From among the applicants who meet the entrance requirements, the College reserves the right to select those best qualified to succeed at Saint Joseph's. For this reason, the approval or rejection of an application may, in some cases, be deferred till later in the admissions period.

Exceptions:

1. Applicants who fail to meet all the above qualifications, and yet for other reasons give promise of success in college, may be permitted to take an entrance examination or be admitted upon the exceptional recommendation of the high school principal or counsellor.
2. Where in individual cases the applicant meets the regular requirements for admission and yet shows signs of inadequate

38 SAINT JOSEPH'S COLLEGE

preparation for college, the Committee on Admissions may require further evidence through an entrance examination or other means.

Early Admissions. Exceptionally well qualified students who have not graduated from high school, but who have completed at least their junior year, may be admitted to freshman standing. Their eligibility for admission will be determined on the basis of high school courses and grades, objective tests and the recommendation of their high school principal or counsellor.

Admissions To Advanced Standing. Students transferring from other institutions whose curricula are substantially the same as those of Saint Joseph's may be admitted with advanced standing. A transfer student must:

1. Meet the general entrance requirements.
2. Be eligible to continue in the institution from which he wishes to transfer.
3. Be entitled to honorable separation from the institution last attended.
4. Present an index appropriate to his standing at Saint Joseph's (i.e., those who transfer after one semester of college work must have an index of 1.50; after two semesters, an index of 1.75; after three or more semesters, an index of 2.00).
5. No credit will be allowed for work which is not declared prior to admission.

Admission of Special Students. Mature students who wish to pursue particular studies without being candidates for a degree may be admitted as special students if it seems that they profit from such work. In no case, however, will an applicant under twenty-one years of age be considered eligible to enter as a special student unless he has graduated from high school.

Work done by special students will not be counted toward a degree until all entrance requirements have been fulfilled.

Enrollment. All students are expected to report on the campus on the days officially designated in the College calendar. No new student will be admitted unless he has received official notice of acceptance from the Director of Admissions.

Registration. No student will receive credit for any subject taken in a class for which he has not been duly registered.

After a student's class schedule has been approved, changes in courses or class sections must in each instance be approved and properly recorded in the Registrar's Office.

Late Enrollment. Students failing to enroll or to pay fees and tuition on enrollment day as designated in the catalogue must pay a late enrollment fee.

Class Schedule. A "Schedule of Classes" is published at the beginning of each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructors. The College reserves the right to withdraw an announced course for which fewer than five students register. It also reserves the right to assign students to class sections and to limit the number of students who may elect a course in case the class becomes unduly crowded or is of such a nature that limited enrollment will be advantageous.

Faculty counsellors will assist students in planning their programs of study. The suggested programs which are listed in the catalogue for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his major by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar. Opportunity for necessary adjustments in class schedules is provided during the first week of classes in each semester.

Change of Schedule and Cancellation of Courses. During the first week after the beginning of classes in each semester a student may, with consent of the Registrar, change his schedule by adding or cancelling courses. Courses cancelled during this period do not appear on his permanent record. The student, however, is encouraged to register with care so that such class changes become unnecessary or are reduced to a minimum.

Class Load. The normal amount of work for which a student registers in one semester is sixteen or seventeen hours. To be classified as a full-time student he must register for a minimum of twelve semester hours, or for class work totaling at least fifteen periods per week. Permission to register for a course in excess of eighteen hours must be obtained from the Dean of the College; the basis for such permission shall be the student's ability as evidenced by previous college work. An extra tuition charge of \$15.00 for each credit hour in excess of seventeen will be applied to the student's account, except that students maintaining a cumulative index of 3.25 or better may carry twenty hours before an extra charge is made. Beginning freshmen may register for Honors without charge.

40 SAINT JOSEPH'S COLLEGE

Class Attendance. Students are required to attend regularly all lectures, laboratory exercises, tests, and examinations, with the reservations stated below.

Unexcused absences (hereafter called "cuts") are allowed in any semester course to the number of credits in that course; thus, two cuts are permitted in a two-credit course, three cuts in a three-credit course. A one and a half cut is the penalty for missing a course meeting twice a week for 75 minutes.

Cuts are to be used for the following reasons: temporary physical indisposition (colds, headaches, upset stomach, etc.); trip home for dental work or medical consultation; special family events, such as reunions or anniversaries; attendance at the wedding or funeral of a friend or a relative not of the immediate family; student trip with the College Varsity.

Cutting beyond the number of times allowed puts the student into what is called "provisional status" and places upon him the burden of clearing himself promptly in the following manner: having first presented to the instructor an official Dean-of-the-College voucher of payment of the required fee (\$2.00), he makes a passing grade in a special examination or does work to the satisfaction of the instructor. Failing to clear himself within seven days after his return to class, he loses credit for the course.

As soon as a student's cuts reach twice the number allowed, he automatically loses the semester credit in the course. He no longer has the opportunity afforded by "provisional status" as outlined in the preceding paragraph. Thus, in a three-credit course, a total of six cuts results in automatic loss of credit.

Not counted as cuts are unavoidable absences for certain reasons properly verified by the Academic Dean and so attested by his official voucher. This voucher is in each case mailed to the instructor within seven days after the student's return to class. The following are the only reasons for which official vouchers are given:

- a) Such sickness of the student as incapacitates him for class attendance (so attested by the infirmarian or a physician).
- b) Death or serious illness in the student's immediate family.
- c) Attendance at the wedding of a brother or sister.
- d) Properly authorized engagement in the interests of the College.
- e) Properly authorized participation as a team member in intercollegiate competition.
- f) Official government summons.

Absences are counted from the first day of class in any course.

Therefore, classes missed because of late registration are counted as cuts, except in these cases:

- a) A new student who has enrolled late in the College.
- b) A student who, with permission of the Dean of College, transfers from one course to another course. Shifting to another section of the same course does not eliminate cuts taken in the first section.

A cut from the last class of any course before or from the first class after a holiday or recess is counted as a double cut except in the case of one-credit courses.

Tardiness and dismissal from class for disciplinary reasons may, at the instructor's discretion, be rated as cuts.

Cutting an announced test or examination incurs a grade of F. This may be removed by the passing of a special test after certification by the Dean of the College that the required fee has been paid. Excused absences may be handled in the same manner, except that the fee may be remitted by the Dean of the College.

Withdrawals From Courses. After the limit for changes in class schedule, Seniors, Juniors, and Sophomores may not withdraw from a course for which they are registered except with permission of the Academic Dean, after presenting written evidence of consultation with their professor and faculty advisor. Forms for this purpose can be obtained at the Office of the Academic Dean. Such withdrawals will be indicated on the student's record with letter "W." By discontinuing a course without an official withdrawal, he automatically incurs an "F." No official withdrawals will be given later than one month after the opening of classes in each semester.

In his first semester at college, however, a Freshman may withdraw without penalty of failure until one week after the mid-semester grading period. (See College Calendar.) He likewise must secure permission of the Academic Dean, after presenting written evidence of consultation with his professor and faculty advisor. Forms for this purpose can be obtained at the Office of the Academic Dean.

Withdrawal From The College. Any student (except he be a graduating senior) who, as the end of a semester approaches, is aware that he will not register for the following semester is asked in courtesy so to inform the Registrar and the Dean of Students. About to withdraw from the College during a semester, he must report this fact to the Dean of Students and the Registrar; failing to do so he will forfeit honorable separation. Students who discontinue either

42 SAINT JOSEPH'S COLLEGE

during or at the end of a semester without having settled their financial obligations to the College will be refused honorable separation and official transcript of credit until all accounts are paid.

Good Standing. A student is granted honorable separation provided he is in good standing. This signifies that the student is eligible to continue, to return, or to transfer elsewhere. It implies good academic standing as well as good citizenship.

Credits. The unit of academic credit is the semester hour. It represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. Thus, a class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The passing grade required before a student can receive credit is D.

Credit By Examination. Any regularly enrolled student of Saint Joseph's College in good academic standing may receive credit for any course in which he gives evidence of superior achievement by passing an examination in the subject matter of the course with a grade of A or B. The credit and grade thus earned will be entered on the student's academic record and will count toward fulfillment of the regular requirements for graduation.

Courses (with grade and credit) earned through credit by examination are not computed in the semester index but only in the cumulative index.

1. Schedule of Tests: (a) at the beginning of the first semester; (b) the first semester final examinations; application must be made before October 17, (c) the second semester final examinations; application must be made before March 3.

2. Application to take credit by examination is made at the Office of the Academic Dean. Fee for each test taken is \$5.00.

3. Eligibility. No student may receive credit by examination (a) in a course for which he is currently enrolled for credit, or has, at some time, enrolled for credit or for audit; (b) in courses involving laboratory experience or practice.

4. Recording of tests. A record shall be kept in the student's folder of all tests taken with the intention of receiving credit by examination. Only those courses, however, for which the student receives credit (by a grade of A or B) will be entered onto his permanent scholastic record, and designated as Credit by Examination.

5. Tests. The tests shall be regular semester tests of the type given in the course for which the student is seeking credit. Such tests shall be made out, scored, graded and administered by an Instructor appointed by the Academic Dean.

Television Credit. Students enrolled at Saint Joseph's College may receive credit for television courses: (a) on a transfer basis from any recognized college granting such credit; (b) from television courses conducted under campus supervision.

Independent Study. Students enrolled at Saint Joseph's who have a cumulative index of 3.00 or better may receive credit for self-study. This program provides the opportunity for a student to pursue special topics, reading programs or projects within existing departments apart from courses listed in the catalog. Students are required to make a grade of C or better; the credit and grade thus earned will be entered on the student's academic record and count toward graduation.

Auditing Courses. Auditing a course means attending class without obligation with respect to regularity of attendance, outside class work, tests, or examinations. Students register for audit courses in the same manner as for credit courses. The total number of credit and audit hours combined for which a student registers may never exceed twenty-one a semester. Audited courses are recorded in the Registrar's Office but do not form a part of the student's permanent scholastic record. For full-time students the fee for auditing a course is \$5.00 for each semester-hour in excess of seventeen hours of credit and audit work combined. For part-time students the fee is \$15.00 a semester hour.

Grading System. Grades are given in letter symbols; no definite numerical value is indicated. The symbol A indicates excellent achievement; B, above average; C, average; D, acceptable but poor; F, failing; W, withdrew; I, incomplete.

Grade Reports. Grade reports for all students are made to the Registrar twice each semester. The mid-semester reports are tentative indications of the student's progress; those following the semester examinations form his permanent record. Reports are issued to parents and students after each grading period.

Quality Points. A grade of A represents greater accomplishment in a four-credit course than does the same grade in a two or three-credit course. In order that a student's degree of success on the basis of both factors (amount of work represented by his courses, and the grades received) may be judged, use is made of the quality

44 SAINT JOSEPH'S COLLEGE

point. Quality points assigned to a grade multiplied by the credits allowed in a subject will give the total points accruing to the student for his achievement in that subject.

Grades	Meanings	Quality Points
A	Excellent	4
B	Above Average	3
C	Average	2
D	Acceptable but Poor	1
F	Failing	0

Incomplete Grade. A course in which the grade of I is received will not be considered in computing the index until the incomplete grade is removed. If the I is not removed within five weeks after the semester (except in Honors Courses), a grade of F will be assigned.

Repetition of Courses. If a student repeats a course which he has passed, only the higher of the two grades which he has received for the course is counted in computing his cumulative index. If he repeats a course in which he has failed, both grades are counted in computing his cumulative index.

Scholastic Index. The index expresses in one convenient symbol the ratio of a student's total quality points to his total hours attempted. This ratio is found by dividing the sum of the student's quality points by the sum of hours attempted. Thus, if his points equal his hours attempted, his index will be 1.00, indicating that he is maintaining himself at the general level of D.

Honors Students. Students with a cumulative index of 3.00 or higher are classed as Honors Students. In order to deepen and to further the education of these students and to encourage them to independent study and research, the College offers certain academic privileges to them.

Students with a cumulative index of 3.00 or above, (a) are eligible to complete residence requirements in seven semesters or equivalent; (b) are eligible to graduate with honors by taking Honors Course 51 in their major field. The honors course may be started by making application in the Office of the Academic Dean in the student's second-last semester; the student registers for the course in his last semester. (Honors 51 may also be taken by students who have a 3.00 cumulative index in their major field even though they may not be otherwise classified as Honors Students.); (c) see Dean's List.

All-College Honors Program. The purpose of this program is

to enable exceptional students to broaden and deepen their knowledge by enrolling in courses offered by the Honors Department.

1. Eligibility. Students are invited to enter this program through the Office of the Academic Dean. These students are assigned to a special Honors Committee which assists them in arranging their participation in the program. Students become eligible for this program at the close of their freshman year.

2. Requirements. (a) To qualify for graduation with All-College Honors, students must have the required cumulative index for honors and must complete a minimum of five Honors Department Courses from at least three different departments. (b) Students in this program may substitute these courses for the graduation requirement of twelve hours in a minor.

3. Graduation. A student on this program may qualify for All-College Honors without completing requirements for Departmental Honors.

Dean's List. Students with a semester index of 3.00 or higher are placed on the Dean's List. They are excused from the requirements of the cut system for the following semester unless, in a particular instance, the instructor rules otherwise. Students on the Dean's List are, however, expected to be present for all announced tests and will be held responsible for the subject matter of the courses they are taking. If at any time during the semester it becomes evident that excessive absence from class is endangering the student's progress, the Dean or the Instructor shall have the right to revoke the privilege.

Junior Year Abroad. Students who plan to spend their junior year abroad are to apply to the Academic Dean's Office at the beginning of their fourth semester. There are two types of programs available:

- a) programs involving instruction in a foreign language at a foreign university;
- b) programs involving instruction in English at a foreign university either by participating in the Institute of European Studies programs at the University of Vienna or at the Institute for American Universities affiliated with the University of Aix-Marseilles in southern France.

Students on Junior Year programs are required to complete all graduation requirements.

Probation and Dismissal. The mid-semester grades serve as an indication of the student's adaptability to his chosen program of

46 SAINT JOSEPH'S COLLEGE

studies. Both the parents and the student are informed when his work is below the required level at the mid-semester grading period.

At the semester grading period, first semester freshmen with index below 1.50, second semester freshmen with index below 1.75, and sophomores, juniors and seniors with index below 2.00 are placed on probation. (For meanings of these classifications, see next section.) If this status is not removed at the next semester grading period, the student will be dropped for poor scholarship unless on **appeal for special reasons** he is granted an extension by the Academic Senate. If he submits an appeal he must do so by writing personally to the Academic Dean within two days after he receives notification of his status.

Students who, at the semester grading period, fail in as much as one-half of their work will be dropped for poor scholarship.

Students dropped for poor scholarship may, after the lapse of a semester, apply for readmission. If their application is approved, they will be readmitted on probation and must maintain the scholastic index required by their classification. If dropped for poor scholarship a second time, they are not eligible for readmission.

Classification. Students are enrolled as **regular** when they meet all entrance requirements and have been approved for a course of studies leading to the bachelor's degree; as **special** if the course work is not to be counted toward the fulfillment of degree requirements. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester hours of college credit, or who is registered for class work totaling at least fifteen periods per week.

A student is classified as a **freshman** if he meets the entrance requirements; as a **second semester freshman** when he has completed **12 semester hours**; as a **sophomore** when his record shows **28 semester hours** of college credit; as a **junior** when he has earned **58 semester hours**; and as a **senior** when he has completed **92 semester hours** of credit. In addition, for purposes of probation and dismissal, a student is considered a second semester freshman after he has been a full-time student for one semester and a sophomore after he has been a full-time student for two semesters.

Athletic Eligibility. A student is eligible to participate in intercollegiate athletic contests under the following conditions:

1. Be of approved physical condition as certified by the College physician.

2. Meet the requirements for classification as a regular full-time student at Saint Joseph's College.
3. Have successfully completed a minimum of twelve semester hours of college credit in his last previous semester unless he is a beginning freshman.
4. Be in good academic standing as determined by the scholastic index requirement according to his classification.
5. Be eligible to play in a designated game according to the rules, policies, and approved practices of the Indiana Collegiate Conference with respect to amateur standing, length of previous participation, institutional transfer and similar matters.

It is the responsibility of the players as well as the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.

Awards and Prizes. The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent the College's attestation of the recipients' excellence in written and oral expression as demonstrated in the annual competitive exercises in a variety of fields. In all cases the College reserves the right to withhold an award if, in the opinion of the judges, none of the entries in a contest attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

National Honors Societies. On October 15, 1956, the Gamma Delta Chapter of Delta Epsilon Sigma, National Catholic Honors Society was installed at the College. Junior students who have a minimum of a B average are eligible for this distinction; in the spring semester of 1960, the College established a chapter of Phi Eta Sigma, a national honors society for freshmen and sophomores; eligible are freshmen with a 3.50 index.

The Alumni Essay Award. The sum of twenty-five dollars is awarded annually to the student submitting the best English essay to a committee of three judges. The Saint Joseph's Alumni Association is the donor of this award. The second prize is fifteen dollars.

This contest is open to all students. Contestants must submit three typewritten copies of their work, under an assumed name or some special mark of identification, to the professor in charge of the contest not later than May 1 of the current year.

The Mary J. Pursley Memorial Award for Creative Writing. This gift was made by the Most Rev. Leo A. Pursley, D.D., '21,

48 SAINT JOSEPH'S COLLEGE

Bishop of Fort Wayne-South Bend. This is an annual award of one hundred dollars for the best work in creative writing submitted to three judges. The purpose of the contest is to encourage the writing of good Catholic literature in the form of fiction, drama, or poetry.

The Hanley Science Award. A prize of one hundred dollars is awarded to the student who, in the estimation of the instructors in the Natural Sciences, composes the best essay in the field of science or mathematics. The prize for second place is fifty dollars. The contest is limited to members of the junior and senior classes taking a major or minor sequence in the Natural Sciences. Essays must be submitted not later than April 1 of the current year. The first prize is donated by Mr. William A. Hanley, '08, Indianapolis, Indiana. The second prize is donated by Dr. Frank A. Benchik, '42, of East Chicago, Indiana.

The Father Rapp Speech Award is sponsored semi-annually by the speech department in honor of the Rev. Ildephonse Rapp, Professor Emeritus of Speech and Scholar of Rhetoric. Three trophies, first, second and third place, are awarded to the superior students selected from the basic courses in speech for participation in the contest. The awards are presented semi-annually at the conclusion of the final contest in the college theatre. A plaque inscribed with the names of the first place winners is also maintained in the lobby of the auditorium.

Trustees Business Award. A plaque and the sum of one hundred dollars, donated by the Board of Lay Trustees of St. Joseph's College, is annually awarded to the student graduating from the Division of Business or Accounting, who, in the estimation of a committee of instructors, is most deserving of the award in view of his superior scholarship and his leadership in extracurricular activities. In order that a student may be considered for the award he must have achieved a cumulative scholarship average of the grade of B, implying a scholastic index of 3.00 and meriting graduation with the distinction, *cum laude*.

The Louis B. White Award. This special citation of merit is presented annually by the Glee Club to its most outstanding member. The award was initiated in memory of Louis B. White, '52, former president of the Glee Club, who gave his life for his country in 1953.

GRADUATION REQUIREMENTS

Degrees. Saint Joseph's College confers the Bachelor of Arts degree in Biology, Biology-Chemistry, Chemistry, Economics, English, English-Journalism, Geology, History, Journalism-Social Science, Mathematics, Mathematics-Physics, Music, Philosophy, Political Science, Sociology, Speech and Theology; the Bachelor of Science degree in Accounting, Finance, Management, Marketing, Education, and Physical Education. However, the student who majors in Biology, Chemistry, Geology, or Mathematics, may, if he prefers, receive the Bachelor of Science degree. Students completing the curriculum for the preparation of elementary teachers receive the Bachelor of Science in Education degree. (B.S. in Ed.)

A Second Bachelor Degree. Students of Saint Joseph's College may qualify for a second baccalaureate degree by spending at least one semester of residence at Saint Joseph's, by completing catalogue requirements for their first degree, and by showing twenty-four hours upper level credit in a second major.

A student holding a bachelor's degree from another accredited college may qualify for a degree from Saint Joseph's by a semester of residence and by showing 24 hours and passing a comprehensive examination in his major field.

Degrees in Absentia. Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering, or medicine may secure the degree in absentia. In addition to the requirements regarding total hours in general education, advanced courses, major and minor sequences, and comprehensive examinations, the candidate will be required to show successful completion of the first year's work in the professional school in which he has enrolled.

Graduation With Honors, is conferred on the basis of successful completion of an honors seminar in the department of the student's major together with a cumulative index (through the four years of college) of 3.00 for the honor **Cum Laude**, of 3.50 **Magna Cum Laude**, and of 3.75 for **Summa Cum Laude**.

Graduation with Honors for Degree in Absentia. Students transferring to a professional school and planning to graduate in absentia, may graduate with honors from Saint Joseph's College by completing an honors paper in the semester preceding their transfer to a professional school. To be admitted, a student must ordinarily have a 3.00 cumulative index for his first two years. The grades which the student transfers from the professional school at the time when he

50 SAINT JOSEPH'S COLLEGE

qualifies for graduation from Saint Joseph's College, must, on an equivalent basis, qualify him for honors.

Honors Seminar. As a means to promote scholarship and initiative on the part of superior students, those departments which offer a major also conduct an honors seminar. This is a course in independent study, directed reading, and research in the student's field of concentration, the results of which are to be formulated in a research paper. To be admitted the student must have maintained a 3.00 cumulative index in his major sequence. Topics for research must be approved by the student's major professor.

Residence. Completion of the college course requires normally that the student be in residence for eight semesters or the equivalent.* Twelve hours of summer session credit are considered equivalent to one semester. Work completed at off-campus extension centers is accepted up to sixty semester hours. Not more than twelve within this maximum of sixty hours may be taken by correspondence. The last thirty semester hours and sixty quality points must ordinarily be completed on the campus of Saint Joseph's College. For exceptions, see "Degree in Absentia," and "Junior year abroad."

Examinations. In addition to the regular course examinations, the student is required to take the comprehensive examinations. The candidate for the degree must pass a comprehensive examination covering his major field. Preparation for this examination implies that from the very beginning the student will have organized the results of his study and reading with a view to permanent retention. The subject matter for the comprehensive examination in a departmental major covers the entire area of undergraduate preparation in that particular field of knowledge and is, therefore, not restricted to the specific subjects which the candidate has completed in the course. The student will be tested on his knowledge of basic facts and principles, his insight into relationships and his ability to apply what he has learned to the solution of typical problems. The norm for passing the examination may be stated as that degree of competence which would be obtained from a careful reading and independent study of standard texts proper to all courses, lower-level as well as upper, offered by the Department. The Chairman in consultation with the Dean of the College will determine the scope of the examination for the student who has selected a divisional or group major. Comprehensive examinations are written tests of approximately six hours in length and are administered towards the end of the semester.

* See exception for Honors Students, p. 45.

Semester Hours and Quality Points.

1. A minimum of 124 semester hours and 248 points are required for graduation (a cumulative index of 2.00).
2. The number of quality points earned in courses of the major or group major sequence must equal at least twice the number of credit hours taken (a cumulative index of 2.00 in the major field).
3. At least 60 hours must be completed on the lower level, including the prescribed work in general education; at least 50 hours, including the requirements of advanced and special education, must be completed on the upper level.
4. Not more than 42 hours in a single department will be counted toward the minimum total required for graduation.

Course Requirements. The faculty of Saint Joseph's College has given considerable thought and effort to the building of a curriculum which will provide a sound program of general education for all students. It is generally agreed that colleges exist for the purpose of transmitting the cultural inheritance; that every educated person should have an acquaintance with the facts and the methods of inquiry in the chief fields of knowledge; and that learning must have breadth as well as depth. While, therefore, the courses in general education are wide in scope, they must not be regarded as shallow or superficial, for they have been designed to be both the foundation and the complement of the more specialized courses in designated fields of concentration.

Every approved sequence of courses leading to a bachelor's degree is based on the assumption that as the student advances, he must accept an increasing share of the responsibility for his own education. Within the framework of a few basic principles of organization and minimum essential requirements, he is encouraged to select advanced courses which best fit his needs, interests, and vocational aspirations. In all cases it is advisable that the student select his field of concentration by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives.

All courses are grouped under the several departments of the college. Freshman and sophomore courses (numbered respectively 1-19 and 20-29) are designated **lower level**; junior (30-39) and senior (40-51) courses are distinguished as **upper level** on the basis of content and instructional procedures. Freshmen may not register for upper-level courses; sophomores may do so only with permission of the Academic Dean or when following the suggested program of a specific department. All-College Honors courses and those in

52 SAINT JOSEPH'S COLLEGE

Liturgical Music are numbered 100-500 and are open to any student who fulfills the conditions of eligibility. Ordinarily, odd-numbered courses are offered during the first semester and even-numbered courses during the second semester.

Lower-Level Requirements: General Education (1-29).

The number of semester hours a student must earn on the lower level is a minimum of sixty. Of these, the following specified courses constitute, with exceptions noted below, that part of the program of general education required of all. They are to be completed, ordinarily, by the end of the sophomore year, and, where a precise order is indicated, they must be taken in sequence.

	Semester Hours	
English 3-4	6	
History 11-12	6	
Humanities 23-24, 25, 27	8	
Philosophy 12, 21	6	
Religion 11, 21	6	
Science (for the non-science major)	6-8	Two introductory courses in the area of the physical sciences or mathematics which must be in sequence: Biology 11-12 or Chem- istry 11-12 or Geology 11-12 or Physics 21-22 or Mathematics 11-12.
Social Science Elective	3	This requirement is satisfied by a course from any of the follow- ing departments; economics, his- tory, political science, sociology.
Speech 15	2	
	—	
	43-45	

ADVANCED AND SPECIAL EDUCATION

Exceptions:

1. Certain adjustments and substitute courses are provided for the student who at registration definitely plans to follow a program in the natural sciences, or teacher training. See details under these heads.
2. The extent to which the lower-level credits presented by the transfer students are acceptable in fulfillment of the requirements in general education is determined by the Dean of the College.
3. Students who are not of the Catholic faith are at liberty to substitute other courses for the 6 additional hours in religion regularly included in the lower-level program.

Foreign Language. While offered as a recognized element in liberal education, foreign language study is not required of all. However, German specifically is required of Chemistry majors; a foreign language is required of Biology and English majors; and German or French is strongly recommended for the student planning to enter graduate school.

Upper Level Requirements: Advanced and Special Education (30-51)

The number of semester hours on the upper level required for graduation is a minimum of fifty. The program of advanced or special education will include the following:

Religion. Six upper-level hours in Religion which, at present must be chosen from Religion 31, 43, and 44, are required of all students, except those who are not of the Catholic faith. The latter may substitute other courses for the twelve hours in Religion, but are required to take Philosophy 36.

Philosophy. Six upper-level hours in Philosophy, including Philosophy 31, are required of all students.

Major Sequence. Ordinarily this will embrace a minimum of twenty-four semester hours of upper-level credit in a department. For a group major, thirty-six hours of upper-level credit are required in specified departments. Students should observe special regulations under each department, especially regarding the lower-level prerequisites for major sequences.

Minor Sequence. Ordinarily this will be a minimum of twelve semester hours of upper-level credit in a department chosen for its relation to the student's major sequence. Five courses in All-College Honors are acceptable as a substitute for the minor sequence. The minor sequence is not a graduation requirement but, if a student completes such a sequence, it will be noted on his permanent record at his request.

Electives. Additional courses may be necessary to complete the fifty upper-level hours and a total of 124 semester hours and a minimum of 248 quality points required for graduation.

GRADUATION CHECK LIST

The student is ultimately responsible for the fulfillment of all that is required toward graduation. Ordinarily he is held to the requirements of the catalogue in force at the time of his first enrollment; all subsequent changes will be announced by official bulletin from the Office of the Academic Dean and by the Registrar in his semester schedule of courses.

To assist the student in keeping track of his academic health and growth, to furnish him likewise with a record that will make his visits with the counsellor both helpful and meaningful, the check-sheet on the following three pages is inserted in this catalogue. The column on the left side of each page is for the ordinary student who enrolls as a freshman at Saint Joseph's College; that on the right is for students who transfer from another college. The latter can obtain a statement of the equivalencies of his transferred courses from the Office of the Academic Dean. Students should not fill in this check-sheet till the grades and credits are actually acquired.

On the first of the following three pages is a brief summary of the graduation requirements of Saint Joseph's College which the student should consult from time to time and fill in as he progresses through his courses. On the next two pages are blanks for recording grades, hours, and quality points from which indices can be computed. (Directions for computing indices are found elsewhere in this catalogue. However, it is important to remember that a cumulative index is not just an average of semester indices. Rather, it is computed by dividing the total number of hours taken into the total number of quality points earned irrespective of when the courses were taken.)

GRADUATION CHECK LIST

INDICES:

1. Total indices (compute all courses taken):

Year:	Sem. I	Sem. II	Cumulative
Freshman			
Sophomore			
Junior			
Senior			

2. Major indices (compute only upper-level courses in major sequence):

Year:	Sem. I	Sem. II	Cumulative
Junior			
Senior			

3. Cumulative total index for all four years:
(2.00 minimum for graduation)

4. Cumulative major index
(2.00 minimum for graduation)

HOURS:

- Total number of lower-level hours passed
(60 minimum for graduation)
- Total number of upper-level hours passed
(50 minimum for graduation)
- Total number of hours passed
(124 minimum for graduation)
- Total number of hours in major sequence
(24 minimum for graduation; 36 in group-majors; 42 maximum which may be counted towards graduation)

OTHER REQUIREMENTS:

- Residence: 8 semesters (7 for honors students) Last 30 hours taken on campus
- Comprehensive examination passed with grade of
- (For honors): Honors seminar paper approved and two copies filed with Registrar

LOWER LEVEL (Courses numbered 1-29)
GENERAL EDUCATION COURSES (required of all students):

Course:	No.	Hours	Grade	Transfer Student's Equivalent:
English	3			
English	4			
History	11			
History	12			
Humanities	23			
Humanities	24			
Humanities	25			
Humanities	27			
Philosophy	12			
Philosophy	21			
Religion	11			
Religion	21			
Sci/Math I				
Sci/Math II				
Social Sci.*				
Speech	15			

DEPARTMENTAL PREREQUISITES:

ELECTIVES:

* Any course in the area of the Social Sciences, upper or lower level, fulfills this requirement.

UPPER LEVEL (Courses numbered 31-49)

GENERAL EDUCATION COURSES (required of all students):

Course:	No.	Hours	Grade	Transfer Student's Equivalent:
Philosophy	31			
Philosophy				
Religion				
Religion				

MAJOR SEQUENCE:

[illegible]**ELECTIVES AND/OR OPTIONAL MINOR SEQUENCE:**[illegible]

SUGGESTED PROGRAMS

PROGRAM I. Recommended for the general student and for those who intend to major in Business Administration, History, Mathematics, or Mathematics-Physics.

FRESHMAN YEAR			SOPHOMORE YEAR		
Course No.	Sem. I	II	Course No.	Sem. I	II
English 3-4	3	3	Humanities 23-24	2	2
History 11-12	3	3	Philosophy 21		3
Humanities 27, 25	2	2	Religion 21	3	
Philosophy 12		3	Science/Mathematics	4-3	4-3
Religion 11	3		Social Science*		3
Electives or Languages or Prerequisites }	6	6	Speech 15	2	
	—	—	Electives or Languages or Prerequisites }	6	6
Total Hours	17	17		—	—
			Total Hours	17-16	18-17

PROGRAM II. Recommended for students intending to major in Accounting, Economics, English, Journalism, Political Science, Philosophy, Physical Education, Sociology, or Speech.

FRESHMAN YEAR			SOPHOMORE YEAR		
Course No.	Sem. I	II	Course No.	Sem. I	II
English 3-4	3	3	Humanities 23-24	2	2
History 11-12	3	3	Philosophy 21	3	
Humanities 25, 27	2	2	Religion 21		3
Philosophy 12	3		Science/Mathematics	4-3	4-3
Religion 11		3	Social Science*	3	
Electives or Languages or Prerequisites }	6	6	Speech 15		2
	—	—	Electives or Languages or Prerequisites }	6	6
Total Hours	17	17		—	—
			Total Hours	18-17	17-16

* Any course from the area of the Social Sciences, upper or lower level, fulfills this requirement.

PROGRAM III. Recommended for students intending to major in Biology, Biology-Chemistry, Chemistry, or Geology.

FRESHMAN YEAR				SOPHOMORE YEAR				
Course No.		Sem. I	II	Course No.		Sem. I	II	
English 3-4		3	3	History 11-12		3	3	
Philosophy 12		3		Humanities 23-24		2	2	
Religion 11			3	Philosophy 21			3	
A {	Biology 11, 12	4	4	Religion 21		3		
	Chemistry 11, 12	4	4	Social Science*		3		
	Mathematics 11, 12	3	3	Speech 15			2	
B {	Geology 11, 12	4	4	Electives or		}	6	6
	Chemistry 11, 12	4	4	Languages or				
	Mathematics 11, 12	3	3	Prerequisites				
				Total Hours		17	16	
C {	Chemistry 13, 14	5	5					
	Mathematics 11, 13	3	3					
	Mathematics 12, 14	3	3					
Total Hours		17	17					

Elementary education, engineering and music students. These programs are somewhat complex and are worked out in detail under the respective departments.

Notes on Programs. The above programs are only suggested. Nevertheless, it would be rash for any lower-level student to change them without first consulting his faculty counsellor or the Academic Dean. The bracketed parts of the programs vary with the departmental requirements. These variations are noted under the headings of each department.

*Any course from the area of the Social Sciences, upper or lower level, fulfills this requirement.

60 SAINT JOSEPH'S COLLEGE

MAJORS, MINORS AND DEGREES OFFERED

Department	Major (24 hrs.)	Minor (12 hrs.)	Degree
Accounting	x	x	B.S.
Biology	x	x	B.S.
Biology-Chemistry	x		B.S.
Business Administration			
Finance	x	x	B.S.
Management	x	x	B.A. or B.S.
Marketing	x	x	B.A. or B.S.
Chemistry	x	x	B.A. or B.S.
Economics	x	x	B.A.
Education		x	
Elementary	x		B.S. in Ed.
Engineering			
Five year program*			B.A.
English	x	x	B.A.
Geology	x	x	B.A. or B.S.
History	x	x	B.A.
Journalism-English	x		B.A.
Journalism-Social Science	x		B.A.
Journalism		x	
Languages			
French		x	
German		x	
Greek			
Latin			
Spanish		x	
Liturgical Music	x	x	B.A.
Mathematics	x	9 hrs.	B.A. or B.S.
Mathematics-Physics	x		B.A. or B.S.
Music	x	x	B.A.
Philosophy	x	x	B.A.
Physical Education	x	x	B.S.
Physics		x	
Political Science	x	x	B.A.
Psychology		x	
Religion		x	
Sociology	x	x	B.A.
Speech	x	x	B.A.
Theology	x		B.A.

* Five year Engineering programs are available in Aeronautical, Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical and Metallurgical Engineering. After three years at Saint Joseph's and two or three semesters at University of Detroit, Marquette University, New York University, Purdue University, Rose Polytechnic Institute, Saint Louis University, University of Illinois, University of Notre Dame or any accredited engineering college, the student may qualify for a B.A. degree from Saint Joseph's. After his fifth year, he qualifies for a Bachelor's degree in Engineering from one of these Universities.

DEPARTMENTS AND COURSES

DEPARTMENT OF ACCOUNTING

The Department of Accounting provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student becomes eligible for the bachelor's degree in accounting, and he may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial, and auditing or cost positions.

Departmental Requirements.

1. Accounting 21-22 and Economics 21-22 are prerequisites for all upper-level courses in accounting.

2. The requirements for a **major** sequence in accounting are twenty-four hours in upper-level courses, including the following: Accounting 31, 32, 33-34, 41 and 45 and Economics 38. The requirements for a **minor** sequence are any twelve hours in upper-level courses.

3. All students registered for courses in accounting are required to take Economics 49 and the series of standardized tests administered by the department.

Suggested Program.

1. On the lower level, students majoring in accounting take Program II. The elective recommended in the freshman year is Business 21.

2. Prerequisites to be taken in the sophomore year are the following: Accounting 21-22 and Economics 21-22.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy; and Economics 49.

COURSES IN ACCOUNTING

21-22. Principles of Accounting 6 hours

A fundamental course in accounting. The course is presented so that the student is properly prepared in the theory and techniques of accounting that are necessary for the advanced course. Emphasis is placed on the solution of accounting problems.

31. Intermediate Accounting 3 hours

An investigation into the form and content of financial statements with particular emphasis on accounting for assets, both tangible and intangible. Special attention is given to corporate capital accounts.

32. Advanced Accounting 3 hours

Advanced partnership problems and techniques for analyzing and interpreting financial statements are considered in this course. Attention is also given to special transactions resulting from consignments and installment sales. The effects of changes in the value of the dollar on accounting problems completes the course.

33-34. Income Tax Accounting 6 hours

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

38. Pro-Seminar in Accounting Theory 3 hours

An introduction, by means of directed reading and individual projects, to the methods of accounting research and the theory of accounts.

41. Specialized Statements 3 hours

Special emphasis is placed on the preparation of consolidated statements of position and income. Consideration is also given to such supplementary statements as the funds statement, cash-flow statement, and statements required of fiduciaries.

45. Cost Accounting 3 hours

A study of the basic terminology, concepts, and techniques of cost determination. Job order, process, and standard cost systems are explored through the medium of problems.

46. Advanced Cost Accounting 3 hours

This course is designed to familiarize the student with analytical interpretation of cost data. The areas of budgetary controls, direct costing, cost-volume relationships, and variance analysis are given special consideration.

Prerequisite: Accounting 45.

47. Auditing 3 hours

A course designed for those intending to enter the profession of public or private accounting. The responsibilities of auditors and the regulations applying to the profession are studied, with special reference to the rules of professional conduct for members of the American Institute of Certified Public Accountants. Various types of audits and their purposes are analyzed. Certificates are studied and prepared.

48. C.P.A. Problems 3 hours**51. Honors Seminar in Accounting 3 hours**

DEPARTMENT OF BIOLOGY

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems. 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science. 3. The biological background for certain professional careers such as teaching biology in secondary schools or working with biological surveys and in museum laboratories.

Several Harvey assistantships, both junior grade and senior grade, are offered annually to qualified biology or biology-chemistry majors. Freshmen, sophomores, and juniors are welcome to apply during the last month of their respective school years.

Interested and qualified majors in biology are encouraged to implement their training in zoology and/or botany by field work, marine or fresh water, in the taxonomic, embryological, and physiological areas, in any approved biological stations, e.g., in Michigan, Massachusetts (Woods Hole), Carolinas, Maine, Oregon, etc. With the previous consent of the department, credits received will be accepted here.

Laboratory fees: Biology 11, 12, and 22, each \$7.50. Biology 21 and 23 together, \$7.50. Biology 32, 37, 39, 40, 41, 43, 44, 45, and 51, each \$10.00.

Departmental Requirements.

1. Biology 11-12 and 21 and 23 are **prerequisites** for all upper-level courses in biology. (Note: For Biology 22, prerequisites: Biology 11 only; for Biology 25, no prerequisites.)

2. The requirements for a **major** sequence in biology are twenty-four hours in upper-level courses, including the following: Biology 32, 35-36 and 39; Chemistry 11-12, 31-32; Physics 21-22; and four semesters in one foreign language (German or French is recommended). The requirements for a **minor** sequence are any twelve hours in upper-level courses.

3. Majors in biology who plan to teach in high school must show credit in Biology 41, Chemistry 31-32 and Physics 21-22; they may substitute education courses for the foreign language requirements.

Note: See chairman of the department of education for other requirements.

4. A **group major** in biology-chemistry is offered for pre-medical students. The requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to fulfill a minimum of sixteen in each department, including the following: Biology 39 and Chemistry 31-32, 33 and 36, plus the language requirement mentioned above in #2.

Suggested Program.

1. On the lower level, students majoring in biology and biology-chemistry take Program III (see p. 59.) In the freshman year they take the courses in Bracket A.

2. Requirements to be taken in the sophomore year are Biology 21, 23, and 32, and Chemistry 31 and 32.

3. On the upper level students should see their faculty counsellor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled in the junior and senior years are: four semesters in one modern language; Physics 21-22; two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy, and Humanities 25, 27.

COURSES IN BIOLOGY

11-12. Introduction to Experimental Biology 8 hours

An introductory discussion of the concepts, methods, and current conclusions of the science of biology. This course is a prerequisite for all other departmental offerings. Open to biology majors in the

freshman year. Open to non-science majors in the sophomore year. This sequence satisfies the science requirements for non-science majors. Three lectures and one three-hour laboratory period each week.

21. Zoology 2 hours

The fundamental principles of animal biology and a study of appropriate type forms illustrating the various phyla, with laboratory placing the traditional stress on anatomy and morphology. One lecture and one two-hour laboratory period each week.

22. Human Anatomy and Physiology 4 hours

An introductory course intended primarily for physical education majors. The course is recommended for students preparing to teach biology or health in high school. Three lectures and one two-hour laboratory period each week.

Prerequisites: Biology 11 or Biology 12.

23. Botany 2 hours

The fundamentals of plant biology including the characteristics of the more common plant groups, with laboratory placing the traditional stress on anatomy and morphology. One lecture and one two-hour laboratory period each week.

25. Personal and Community Health 3 hours

(Same as Physical Education 25. See course description there.)

30. Methods for Teaching Biology 2 hours

31. Introduction to Scientific Latin and Greek 1 hour

A study of the elements of the Greek and Latin languages, together with their roots and the corresponding English derivations commonly used in biological, chemical, and medical sciences. Open to sophomores, juniors, and seniors. One 90 minute lecture each week.

32. Comparative Vertebrate Anatomy 4 hours

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological and physiological relationships of the various organs and systems. Two lectures and two two-hour laboratory periods each week.

33. Ecology 3 hours

The study of organisms in relation to their environments, namely, physical: light, temperature and water; biogeochemical:

66 SAINT JOSEPH'S COLLEGE

chemical cycles, energy cycles and geological cycles; biotic: food chains and competition. Three lectures with field work each week. (Offered in 1965-66)

34. Conservation of Natural Resources 3 hours

A study of the principles and methods of conservation of natural resources (soils, water, atmosphere, biotic, mineral, and human powers) with emphasis on biological conservation as practiced in the United States. Three lectures with field work each week. (Offered in 1965-66).

35-36. Seminar in Biology 2 hours

Intensive discussion of selected topics in biology led by members of the staff. Required for graduation of all seniors majoring in biology or biology-chemistry group sequence. Open for attendance without credit to all other interested students with permission of the staff. Juniors majoring in Biology are expected to attend all sessions.

37. Microtechnique 2 hours

Principles and practice in the preparation of animal and plant tissues and small organisms for microscopic study. Two two-hour laboratory periods each week. (Offered in 1965-66).

38. Genetics 3 hours

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits.

39. Embryology 4 hours

Laboratory study of the developmental anatomy of frog, chick, and pig embryos. Lecture emphasis is placed on an analysis of the processes of development and a study of elementary experimental embryology. Two lectures and two two-hour laboratory periods each week.

40. Animal Histology 4 hours

A microscopic study of normal vertebrate tissues and organs, with special reference to human tissues. Two lectures and two two-hour laboratory periods each week. (Offered in 1965-66).

41. Invertebrate Zoology 4 hours

A study of the characteristics and relationships of representative species of invertebrates with reference to classification. This course

includes some field work in ecological study, collection of specimens, their identification and preparation for laboratory and museum display. Primarily intended as a background for teaching biology. Three lectures and one three-hour laboratory period each week. (Offered in 1964-65).

42. History of Biology **2 hours**

A survey of the development of the science of biology. Particular attention is given to the interplay of philosophy and science and to the development of the conceptual framework of biology. Required readings and papers. Discussions and conferences with staff and with related departments. (Offered in 1964-65).

43-44. Microbiology **8 hours**

A study of bacterial structure, life activities, and classification; also introductory studies in immunology, mycology, parasitology, and virology. Laboratory methods of culture, isolation, and identification of various saprophytic and pathogenic organisms, particularly enteric forms; some serological techniques; water, milk, soil and food bacteriology. Two lectures and two two-hour laboratory periods each week.

Prerequisite: Chemistry 32.

45. General Physiology **4 hours**

The physiological processes at the organismic level are analyzed and correlated with the simpler manifestations at the cell level. Among the topics discussed are the structure and composition of cells, reactions of organisms to the environment, adjustment and maintenance of the internal environment, energy sources and utilization of energy for movement, production of electricity. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Physics 22 and Chemistry 32.

51. Honors Seminar in Biology **3 hours**

DEPARTMENT OF BUSINESS ADMINISTRATION

The courses in business administration have been designed to provide the knowledge required for positions in business. Their aim is to combine specific preparation with a background in general education, which, with experience, should enable one to assume positions of higher responsibility more rapidly and competently. During the freshman and sophomore years, the course of studies is general in character. During the junior and senior years, areas of concentration are provided in finance, management, and marketing.

Departmental Requirements

1. Business Administration 21, 22, Economics 21-22, and Accounting 21-22 are **prerequisites** for all upper-level courses.

2. The requirements for a **major** sequence in **finance** are twenty-four hours in upper-level courses composed of the following: Business Administration 33, 36, 38, 40, 43, 48, and Economics 35, and Business Administration 41 or Economics 46.

3. The requirements for a **major** sequence in **management** are twenty-four hours in upper-level courses composed of the following: Business Administration 31, 32, 33, 35, 37, 38, 41, and 42.

4. The requirements for a **major** sequence in **marketing** are twenty-four hours in upper-level courses composed of the following: Business Administration 33, 34, 38, 39, 41, 45, 49, 50.

5. The requirements for a **minor** sequence in **business administration** are twelve hours in upper-level courses including Business Administration 33 and 38. For a **minor** sequence in **management, marketing or finance**, the remaining hours must be taken from these respective areas.

6. Economics 49 is required of all students in business administration.

Suggested Program.

1. On the lower level students in all of the major sequences take Program I. Recommended for the first-semester prerequisite is Business Administration 21.

2. Prerequisites to be taken in the sophomore year are the following: Accounting 21-22, Economics 21-22, and Business Administration 22.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in Philosophy; and Economics 49.

COURSES IN BUSINESS ADMINISTRATION

21. Principles of Marketing 3 hours

A study of the structure and process of marketing with emphasis upon the manner in which marketing distributes economic resources and stimulates demand. Consumer, industrial and government markets are analyzed and the resources of the economy are reviewed from the standpoint of the marketing problems they present. The organization of marketing is described with special attention devoted to channels of distribution and the various types of retailers and wholesalers. Descriptive cases and commodity analyses are used throughout the course.

22. Principles of Management 3 hours

The purpose of this course is to present a carefully organized system of concepts by which the basic meaning and the universal principles of management can be grasped. This course is limited to a treatment of that body of fundamental principles which underlies all management regardless of type or size of business. A study of the structure of industry in the U.S., the objectives and means of a business enterprise, the functions of business, the environment of a business, the purpose and methods of management, administrative decision-making and the functions of management.

31. Industrial Management 3 hours

The purpose of this course is to present a framework of principles, methods, procedures, and techniques of factory management, and to develop the student's ability to make sound managerial decisions, especially at the operational level. By means of selected case problems, emphasis will be placed upon the following topics: research, development, and engineering; manufacturing processes; the management of physical property; motion and time study; production planning and control; operations research; quality control, and cost control.

Prerequisites: B.A. 22.

32. Personnel Management 3 hours

An analysis of the personnel function in the management of business enterprises. Problems in selection, placement, compensation, training, and maintenance of work teams in different types of business enterprise will be considered. Emphasis will be placed on both

70 SAINT JOSEPH'S COLLEGE

the functions of the personnel manager and the individual line managers and supervisors.

Prerequisite: B.A. 22.

33. Corporation Finance

3 hours

The financial problems involved in organizing and managing a business. Includes a study of the financial aspects of promotion, securing capital through the issuance of securities, capitalization, dividend policies, financial analysis, current financing, receivership, consolidation, bankruptcy, reorganization and related issues.

Prerequisite: Ac. 21-22.

34. Sales Management

3 hours

A study of the managerial functions of the sales manager, with particular reference to problems involved in investigations of marketing, planning the sales effort, management of sales and service personnel, and control of the sales operations. The preliminary part of the course is devoted to a study of the principles and techniques of personal selling. This involves examination of the various aspects of selling such as: development of psychological rapport with prospects, organization of prospecting activities, analysis of public relations problems.

Prerequisite: B.A. 21.

35. Institutional Management

3 hours

A course which deals with the management problems and practices of that important segment of the economy known as the "non-profit" organization. Consideration will be given to such organizations as hospitals, educational institutions, public corporations, eleemosynary institutions, and associations of various forms.

Prerequisite: Ac. 21-22; B.A. 22.

36. Investments

3 hours

This course is designed to familiarize the student with the various stock, bond, real estate, and other investment markets. Includes treatment of investment objectives, investment institutions, sources of information, media of investment, analysis of risk, and the formulation of appropriate investment policies for individuals and institutions.

Prerequisite: Ac. 21-22.

37. Government and Business

3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation

to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition.

(Same as Economics 37.)

38. Elementary Statistics 3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis on the interpretation and use of statistical analysis in the social sciences.

39. Retailing Organization and Operation 3 hours

This is a basic survey course which includes an analysis of the opportunities, development and present status of the retailing industry. Course content includes: Methods of store management, principles of store location, organization for control of merchandise, devices for improvement of store services, control of store expenditures, and coordination of credit, sales and other marketing activities.

Prerequisite: B.A. 21.

40. Financial Analysis and Control 3 hours

A study of the character and importance of the respective items in financial statements with critical analysis and interpretation of statements of business enterprises. With the knowledge gained from the foregoing, budgetary direction and control are reviewed. The construction of flexible and inflexible budgets, estimating income and expenses, profit, planning and control, measuring operating efficiency, and enforcing budgets.

Prerequisites: Accounting 21-22; Business Ad. 33

41. Managerial Decision-Making 3 hours

A course designed to present an organized and integrated approach to the managerial decision-making process. Emphasis will be placed on the following topics: the nature of the decision-making process; the stages of decision-making; the use of premises in decision-making; decision and implication; validating forms for decision-making; planning and decision-making; organizing for effective decision-making; controlling and decision-making; and the implementation of decisions. Problems will be presented to give students practice and guidance in arriving at valid decisions.

Prerequisite: B.A. 22.

72 SAINT JOSEPH'S COLLEGE

42. Seminar in Administrative Policy

3 hours

This course is designed to give students practice in policy-making thereby enhancing their ability to identify, analyze, interpret and evaluate business policies, especially those of large corporations. Through the study of actual business situations, the student will learn to diagnose a company's problems and to consider the various factors influencing managerial policy decisions. Cases are selected from a variety of industries to emphasize the universality of management problems and to give the student a facility for solving problems wherever they may develop. An attempt will be made to focus previously gained knowledge of accounting, finance, management, marketing and economics upon such matters as organizational, administrative, procurement, production, sales, labor, financial and expansion policies.

Prerequisites: B.A. 22, 41.

43. Financial Institutions

3 hours

A critical study dealing with the institutional framework of the economy by which savings and credit are made available to business, consumers, and the government, together with an analysis of the impact of the various flows of funds on the total economy. Among the institutions covered are: Federal financial institutions, commercial banks, savings and loan associations, insurance companies, investment and pension funds, investment banking, and the money and capital markets.

Prerequisites: Economics 21-22; Business Ad. 33.

45. Advertising: Principles and Procedures

3 hours

A study of the role of advertising in the marketing structure and as a marketing tool of the individual firm. Consideration is given to the character of demand as seen by the individual firm and the opportunities for modifying it through the use of advertising. Content of the course includes an analysis of buying motives, social forces involved in consumer behavior, measurement of the market potential, determination of proper advertising budgets, media allocations, and the devices used to measure the effectiveness of advertising campaigns.

Prerequisite: B.A. 21.

48. Problems of Financial Management

3 hours

This course presents a series of comprehensive financial problems by which it is intended to perfect the student's ability to utilize

the methods and techniques of financial analysis and management acquired in previous courses.

Prerequisites: B.A. 22, 33.

49. Marketing Research 3 hours

The use of scientific method by business in gathering and utilizing marketing data in the efficient selling of merchandise. An analysis of advertising selling and price and product problems that market research may assist in solving; research methods and techniques; analysis and interpretation of typical marketing data; questionnaire building and methods of sampling; a survey of problems that a division of marketing is likely to face; analysis of markets through company records, published sources and original investigation.

Prerequisite: B.A. 21.

50. Marketing Management 3 hours

A study of the marketing problems of the firm approached from a management point of view. Emphasis is placed on the development of the student's ability to analyze marketing situations, identify problems, determine solutions, implement corrective action, and plan strategy. The student learns how the marketing management functions of merchandising, channel selection, determination of brand policy and price policy, sales promotion, advertising and personal selling integrate to produce an effective marketing program.

Prerequisite: E.A. 21.

51. Honors Seminar in Business Administration. 3 hours

DEPARTMENT OF CHEMISTRY

The courses in the Department of Chemistry are designed to help the student: 1. To understand and appreciate, by means of basic courses, the principles of chemistry. 2. By means of carefully supervised laboratory work and by an introduction to the literature of the field: a) to observe carefully and accurately natural phenomena. b) to realize and appreciate the problem of the application of the theoretical principles to actual experimental work. 3. By a study of the literature and by means of a minor research problem to initiate the development of the skills and attitudes requisite for research in the field of chemistry. 4. To meet the basic requirements in chemistry for entrance into graduate school, medical school, or industrial chemistry.

Unless otherwise noted, laboratory periods are three-hour periods. Laboratory fees: Chemistry 11, 12, 13, 14, 45, and 46, each \$7.50. Chemistry 31, 32, 33, 34, 35, 36, 39, 42, and 51, each \$10.00. Chemistry 49 and 50, each \$5.00.

Departmental Requirements.

1. Chemistry 13, 14 are prerequisites for all upper-level courses for chemistry majors. It is further necessary, for the student majoring in chemistry, to show credit in Mathematics 11, 12, 13, 14.

2. The requirements for a major sequence in chemistry are twenty-six hours in upper-level courses, including courses in organic, quantitative analysis, physical chemistry, Chemistry 38, and either 49-50 or 51; Physics 21-22, and four semesters of college German or the equivalent. The requirements for a minor sequence in chemistry are twelve hours in upper-level courses, including Chemistry 33.

3. For the group major in biology-chemistry, see the department of biology.

Suggested Program.

1. On the lower level, students majoring in chemistry take Program III. In the freshman year they take the courses in bracket C.

2. Requirements to be taken in the sophomore year are Chemistry 31-32 and German 1-2.

3. On the upper-level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled in the junior and senior years are: German 21, 26 (or equivalent); Physics 21-22; two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy, and Humanities 25, 27.

COURSES IN CHEMISTRY

11-12. General Chemistry for Non-Majors 8 hours

An introductory course for students not majoring in chemistry. It stresses atomic theory, general laws, and the study of the elements. The laboratory work in the first semester consists of inorganic reactions, and in the second semester, of qualitative analysis. Three lectures and one laboratory period each week.

13-14. General Chemistry for Majors 10 hours

A more complete course in the fundamental principles of the science for Chemistry majors and for students preparing to enter Chemical Engineering or Metallurgy. The course stresses the theory involved in chemical activity. The laboratory work in the second semester is devoted to the qualitative analysis of representative cations and anions. Four lectures and one laboratory period each week.

31-32. Organic Chemistry 8 hours

A study of the structure, reactions, and properties of the aliphatic and aromatic carbon compounds. The applications of organic chemistry in industry and medicine are emphasized. In the laboratory the important methods and techniques are stressed. The material presented in the lectures is illustrated by the preparation and identification of typical compounds. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 11-12, or 13-14.

33. Quantitative Analysis 4 hours

A study of the theoretical principles upon which analytical methods are based and an explanation and application of the calculations involved. In the laboratory the standard volumetric and gravimetric procedures are used. Two lectures and two laboratory periods each week.

Prerequisites: Chemistry 11-12 or 13-14.

34. Advanced Quantitative Analysis 4 hours

An advanced study of quantitative analysis. The laboratory work includes calibration of weights and volumetric apparatus, analysis of ores, ferrous and non-ferrous alloys. Some use is made of instrument analysis. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 33.

76 SAINT JOSEPH'S COLLEGE

35. Advanced Inorganic Chemistry

2 hours

This course consists of one lecture and one three-hour laboratory period per week. The laboratory work includes the preparation and stoichiometry of the less common elements and their compounds. The lectures involve a somewhat advanced treatment of the forces determining chemical activity, including a development of the quantum theory and its application to photo-chemistry and photokinetics, and a treatment of the periodicity in elements and its relationship to basic chemical activity. Prerequisite: Chemistry 11-12 or 13-14.

36. Elementary Physical Chemistry

4 hours

A course intended primarily for students who lack the mathematical preparation for the more extensive course, Chemistry 45-46. The principles of physical chemistry are treated from a descriptive viewpoint with emphasis on solutions, colloids, and physical structure. This course may not be counted toward a major in chemistry. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 11-12 or 13-14 and 33, and Physics 21-22, or 24-25-26.

38. Pro-seminar in Chemistry

1 hour

The purpose of the course is to acquaint students majoring in chemistry with library research. Students are also introduced to the norms and procedures for writing a research report.

39. Organic Analysis.

2 hours

A study of the characterization of organic compounds through elementary analysis, functional-group reactions, and derivatives. The lecture periods are devoted to a study of classical examples of analysis from chemical literature. One lecture and one laboratory period each week. (Offered 1963-64).

Prerequisites: Chemistry 31-32.

42. Biochemistry

4 hours

A study of the composition of organisms, of the food materials required by them, and the chemical change attending the transformation of these food materials into the substances composing these organisms. Three lectures and one laboratory period each week. (Offered 1964-65).

Prerequisite: Chemistry 31-32.

45-46. Physical Chemistry 8 hours

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both from the descriptive and the analytical viewpoints. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 11-12 or 13-14 and 33, Mathematics 11, 12, 13, 14 and Physics 21-22, or 24-25-26.

49-50. Research in Chemistry 2 hours

Early in the first semester, topics, for research problems are chosen. Throughout the year, library and laboratory research is pursued. Progress reports are made and discussed.

Prerequisites: A reading knowledge of German, Chemistry 38.

51. Honors Seminar in Chemistry 3 hours

An alternate course for Chemistry 49-50, open to students who have made a B average in the chemistry courses of the junior year.

Prerequisites: A reading knowledge of German, Chemistry 38.

DEPARTMENT OF ECONOMICS

The program in Economics has the following objectives: 1. To enable the student to gain a basic understanding of our economic system, to provide a field of concentration for those students who wish to pursue economics as their major study, and to offer those courses which are appropriately a part of the preparation for the study of business, government, journalism, and law. 2. To provide the requisite training for the teaching of economics in high schools, for the pursuit of graduate courses in economics, and for entrance into graduate schools of business.

Departmental Requirements.

1. Economics 21-22 are prerequisites for all upper-level courses. Students majoring in economics are likewise required to take Accounting 21-22.

2. The requirements for a major sequence in economics are twenty-four hours in upper-level courses, including Economics 38, 41, 42 and 49. The requirements for a minor sequence are any twelve hours in upper-level courses.

3. Students expecting to pursue graduate work in economics are advised to take Mathematics 11, 12, 13, 14 and four semesters of credit in French or German.

Suggested Program.

1. On the lower level students majoring in economics take Program II. Electives recommended in the freshman year are: French 1-2; German 1-2; Mathematics 11-12.

2. Prerequisites to be taken in the sophomore year are the following: Economics 21-22; Accounting 21-22; recommended electives are French 21-22; German 21-22; Mathematics 13-14.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper-level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN ECONOMICS

21-22. Principles of Economics 6 hours

A study of the principles and problems connected with the production, exchange, and consumption of wealth, the level and fluctuation of national income and employment, and the economics of growth. Different types of economic systems are compared and evaluated.

28. Elements of Economics 3 hours

A one semester exploration of economic principles, problems and policies with special attention given to the streams of economic thought from Smith through Keynes. (Open only to Xavier students)

35. Money and Banking 3 hours

A study of the theory of money, monetary standards, banking principles, and monetary theory with special emphasis on the financial institutions of the United States.

37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition. (Same as Business 37.)

38. Elementary Statistics. 3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis is on the interpretation and use of statistical analysis in the social sciences.

40. Public Finance 3 hours

A study of the principles of finance in government. Topics to be considered will include public revenues and expenditures, taxation, public debt, governmental budgeting, and fiscal policy. (Same as Political Science 40).

80 SAINT JOSEPH'S COLLEGE

41. Advanced Income Analysis 3 hours

An intensive study of national income accounting and the theory of national income determination with special emphasis on the policy implications of the analysis.

42. Advanced Price Analysis 3 hours

An intensive study of the theory of price in both the output and input markets with special emphasis on the application of modern tools of analysis to concrete business and public problems.

43-44. Labor Problems and Legislation 6 hours

A study of the issues involved in labor economics, with emphasis on the role that employers, unions, and the government may play in their solution. The first semester concentrates on the size and composition of the labor force, the history of the labor movement, and the issues involved in collective bargaining; the second, on wages and hours, unemployment, and social security.

45. Introduction to Econometrics 3 hours

An introduction to the techniques by which economic theories are brought into contact with empirical data for the purpose of verification and prediction. Prerequisites: Mathematics 13-14.

46. Business Cycles 3 hours

In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control.

48. International Economics 3 hours

A study of the underlying basis of international trade, balance of payments adjustments, and the methods of international payments, together with an examination of the foreign trade position, the tariff policies, and the commercial agreements of the United States.

49. Catholic Social Teaching and Economic Policy 3 hours

This course aims to set forth the social teaching of the Church, with emphasis on the social encyclicals and other recent papal pronouncements and to apply this teaching to selected current socio-economic problems.

51. Honors Seminar in Economics 3 hours

DEPARTMENT OF EDUCATION

The Department of Education is designed to offer the student a knowledge of education in its theoretical and practical phases. Courses in the history and philosophy of education present the student the means of employing the best of mankind's thought in the betterment of today's schools. Other courses are offered with the express purpose of acquainting the student with the professional skills and competencies that will be needed in the exercise of teaching duties.

State requirements for licenses and certificates vary, but in general all states call for these basic requirements: 1. a four-year curriculum leading to the Bachelor's degree; 2. academic credit in major and minor areas; or, in the case of elementary teachers, adherence to a specified curriculum; 3. professional courses in education; 4. recommendation by the Director of Student Teaching and the License Advisor.

ELEMENTARY TEACHER PREPARATION: Saint Joseph's College has been authorized by the State of Indiana to prepare teachers for the elementary certificate. The following program has been approved to the State Department of Public Instruction according to the provisions of Bulletin 400. Students who intend to teach in elementary schools should follow this program exactly.

CURRICULUM LEADING TO A
BACHELOR OF SCIENCE DEGREE IN EDUCATION

All courses except those listed in parentheses are required

Freshman year				Sophomore year			
Eng 3-4	Rhet & Comp	3	3	Biol 11	Exp Biol	4	
Geol 11-12	Phys & Hist	4	4	Educ 41	Gwth & Devl	2	
Hist 11-12	West Civil	3	3	Educ 30	Ed Psych		2
Hum 27-25	Art Music	2	2	Educ 40	Child Lit		2
Phil 12	Logic	3		Educ 44	P L E	1	
Psych 21	Philo Psych		3	Eng 38	Adv Gmmr		2
Phy Ed 16	First Aid		2	Hum 23-24	World Lit	2	2
Speech 15	Fund Speech	2		Math 11-12	Algb & Trig	3	3
		—	—	Phy Ed 41	Act Elem Gd	2	
		17	17	PolS 22	Amer Gvmnt		3
				(Rel 11-21)	Litgy Scrps	3	3
						—	—
						17	17
Junior year				Senior year			
Chem 11	Gen Chem	4		Educ 47	Crafts	3	
Educ 48.6	Music Mtds		3	Educ 45	Stud Tchng		10
Educ 48.4	Funds Arith		2	Pril 36	Ethics	3	
Educ 48.3	Arith Mtds		3	((Rel)	Elective		3
Educ 48.1-2	Lang Arts	2	2	Soc 33	Family Soc	3	
Educ 48.3	Sci Mtds	3		(Biol 12)	Exp Biol		4
Educ 37-34	T Msmt Phil	2	2	(Eng)	Elective	3	
Phil 31	Metaphysics		3	(Hist)	Elective	3	
(Rel)	Elective		3		Elective	3	
Soc 35	Soc of Ed	3				—	—
Speech 43	Speech Imp	3				18	17
		—	—				
		17	18				

Secondary Teacher Preparation: In general, a student who is preparing to teach in high school should major in the subject area in which he intends to teach. Students should refer to the respective departmental offerings in this catalogue as they prepare for their teaching major and minor. Professional education requirements for certification vary from state to state but generally between 17 and 20 hours of professional work are required. All teacher trainees at St. Joseph's College must meet the Indiana requirements; students who wish to qualify for additional states should consult the license advisor.

Saint Joseph's College is authorized by the state of Indiana, in accordance with the provisions of Bulletin 400, to offer teacher training in the following major areas: biology; chemistry; English; mathematics; physical education and health; physics; social studies; speech. Minor areas are offered in these eight areas and in Latin; French; Spanish; German.

All students preparing for elementary and secondary teaching must be officially admitted to the teacher training program. This is normally done in the first semester of the sophomore year. Students seeking admission to the educational program must have a cumulative index of 2.25, a recommendation from the speech department, a recommendation from the English department, and a recommendation from their major professor. This application is the responsibility of the individual student. Application should be made to the Chairman of the Education Department. During the senior year all prospective teachers must take the National Teacher Examinations. Completion of this examination is a prerequisite to recommendation. For further information concerning any of these details, students are encouraged to consult the departmental chairman. The following programs are suggested for the most widely used majors. Students who wish to major in a field not listed here should consult the departmental chairman.

Suggested program for a college major in management, marketing, or finance with a teaching major in social studies. All courses except those in parentheses are required.

Freshman year				Sophomore year			
Eng 3-4	Rhet.; Comp.	3	3	Acct 21-22	Prin. Acct.	3	3
Geol 11-12	Phys.; Hist.	4	4	Econ 21-22	Prin. Econ.	3	3
Hist 11-12	West. Civ.	3	3	Educ 30-31	Psych.; Mist.		4
Hum 25-27	Music; Art	2	2	Geol 20	Geography	3	
Mgmt 21-22	Mkgt.; Mgt.	3	3	Hist 23-24	West. Civ.	3	3
Phil 12	Logic	3		Psych 21	Phil. Psych.	3	
(Rel 11)	Liturgy		3	(Rel 21)	Scripture		3
		—	—	Soc 21	Gen. Sociol.	3	
		18	18	Speech 15	Fundamentals		2
						—	—
						18	18
Junior year				Senior year			
Econ 49	Cath. Soc. Prin.	3		Educ 49-52	G. Sp. Mthds.	2	1
Hist	Electives	3	3	Educ 37-34	Test.; Phil.	2	2
Math 11	Fund. Math. Alg.	3		Educ 46	Stud. Tchg.		7
Mgmt	Electives	6	6	Hum 23-24	World. Lit.	2	2
Phil 31	Metaphysics	3		Mgmt	Electives	6	6
PolS 22	Amer. Gvmt.		3	Phil 36	Ethics	3	
PolS 44	Intl. Rel.		3	(Rel)	Elective	3	
(Rel)	Elective		3			—	—
		—	—			18	18
		18	18				

Suggested program for a college major in economics and a teaching major in social studies

Freshman year				Sophomore year			
Eng 3-4	Rhet.; Comp.	3	3	Acct 21-22	Prin. Acct.	3	3
Hist 11-12	West. Civ.	3	3	Econ 21-22	Prin. Econ.	3	3
Hum 27-25	Art; Music	2	2	Geol 11-12	Phys.; Hist.	4	4
Phil 12	Logic	3		Hist 23-24	Amer. Civ.	3	3
PolS 22	Amer. Gvmt.		3	Hum 23-24	World Lit.	2	2
Psych 21	Phil. Psych.		3	Math 11	Fund. Math.; Alg.		3
(Rel 11-21)	Litg.; Scrp.	3	3	Geol 20	Geography	3	
Soc 21	Gen. Sociol.	3				—	—
		—	—			18-18	
		17	17				
Junior year				Senior year			
Econ 41-42	Analysis	3	3	Econ	Electives	6	3
Econ 38	Statistics		3	Econ 49	Cath. Soc. Prin.		3
Econ	Electives	3	(3)	Educ 32-49	G. Sp. Mthds.	3	
Educ 30-31	Psych.; Hist.	2	2	Educ 46	Stud. Tchg.		7
Educ 37	Test. Msmt.	2		Educ 34	Phil. Ed.		2
Phil 31-36	Meta.; Ethc.	3	3	(Hist)	Elective		3
PolS 44	Intl. Rel.		3	(Rel)	Elective		3
Sp 15	Fundamentals	2		Soc	Elective		3
(Rel)	Elective	3				—	—
		—	—			16	17
		18	14-(17)				

84 SAINT JOSEPH'S COLLEGE

Suggested program for a college major in biology and a teaching major in biology, with a teaching minor in chemistry.

Freshman year				Sophomore year			
Biol 11-12	Exp. Biol.	4	4	Biol 21-23	Bot. Zool.	4	
Chem 13-14	Gen. Chem.	5	5	Biol 22	Anat Phys		4
Eng 3-4	Rhet.; Comp.	3	3	Chem 31-32	Organic	4	4
Math 11-12	Algb.; Trig.	3	3	Hist 11-12	West. Civ.	3	3
Phil 12	Logic	3		Hum 23-24	World Lit.	2	2
(Rel 11)	Liturgy		3	Psych 21	Phil. Psyc.	3	
		—	—	(Rel 21)	Script.		3
		18	18	Biol 39	Embryology	4	
				Hist 24	Amer. Civil		3
						—	—
						20	19

Junior year				Senior year			
Biol 33-34	Ecol.; Cons.	3	3	Biol 32-43	CVA; Microb.	4	4
Biol 38	Genetics		3	Biol 35-36	Seminar	1	1
(Chem 33)	Quant. Anl.	4		Biol 41	Zoology	4	
Hum 25	Music		2	Biol 49	Sp. Mthds.	2	
Educ 30-34	Psych.; Phil.	2	2	Educ 31-37	Hist.; Test.	2	2
Phil 31	Metaphysics	3		Educ 32	G. Mthds.		1
Phys 21-22	Col. Physics	4	4	Educ 46	Stud. Tchg.		7
(Rel)	Elective		3	Hum 27	Art	2	
Soc 21	Gen. Sociol.	3		Phil 36	Ethics	3	
Sp 15	Fundamentals		2	(Rel)	Elective		3
		—	—			—	—
		19	19			18	18

Suggested program for a college major in English and a teaching major in English with a teaching minor in the foreign language.

Freshman year				Sophomore year			
Eng 3-4	Rhet.; Comp.	3	3	Educ 31	Hist. Ed.		2
F Lang	Elective	3	3	Eng 21-22	Intd. Lang.	3	3
Hist 11-12	West. Civ.	3	3	F Lang	Elective	3	3
Hum 25-27	Music; Art	2	2	Geol 11	Phys. Geol.	4	
Math 11-12	Algb.; Trig.	3	3	Hum 23-24	World. Lit.	2	2
Phil 12	Logic	3		Journ	Elective		3
(Rel 11)	Liturgy		3	Psych 21	Phil. Psych.		3
		—	—	(Rel 21)	Scripture	3	
		17	17	Soc 21	Gen. Sociol.	3	
				Sp 15	Fundamentals		2
						—	—
						18	18

Junior year				Senior year			
Biol 11	Exp. Biol.	4		Educ 46	Stud. Tchg.	7	
Educ 30-34	Psych.; Phil.	2	2	Educ 32-49	G. Sp. Mthds.	3	
Educ 37	Test. Msmt.		2	English	Electives	3	9
Eng 37-38	Wrtg.; Gmmr.	3	2	F Lang	Elective	3	3
Eng 35-36	Amer. Lit.	3	3	Phil 36	Ethics		3
Eng (31 or 23 or 33 or 34)			3	(Rel)	Elective		3
F Lang	Elective	3	3	Sp	Elective	1	
Phil 31	Metaphysics	3				—	—
(Rel)	Elective		3			17	18
		—	—				
		18	18				

Suggested program for a college major in mathematics and a teaching major in mathematics, with a teaching minor in physics.

Freshman year			Sophomore year		
Eng 3-4	Rhet.; Comp.	3 3	Educ 31	Hist. Ed.	2
Hist 11-12	West. Civ.	3 3	Hum 23-24	World Lit.	2 2
Hum 27-25	Music; Art	2 2	Math 31-32	Calculus	3 3
Math 11-14	Algb. or Trig.; Calc.	6 6	Phil 12	Logic	3
(Rel 11)	Liturgy	3	Phys 25-26	Ther.; Elec.	4 4
Phys 24	Mech. & Ther.	4	Psych 21	Phil. Psych.	3
		— —	(Rel 21)	Scripture	3
		17 18	Soc 21	Gen. Sociol.	3
			Sp 15	Fundamentals	2
				— —	
				17 17	
Junior year			Senior year		
Econ 21	Prin. Econ.	3	Educ 49-32	G. Sp. Mthds.	2 1
Educ 37-30	Test.; Psych.	2 2	Educ 46	Stud. Tchg.	7
Educ 34	Phil. Ed.	2	Math 38	Prob. — Stat.	3
Math 33-40	Geom.; Algb.	3 3	Math	Elective	3
Math	Electives	3 3	Phil 36	Ethics	3
Phil 31	Metaphysics	3	Phys 41-42	Mod. Phys.	3 3
Phys 31-46	Circ.; Elec.	3 3	(Rel)	Elective	3
(Rel)	Elective	3		Electives	6
		— —		— —	
		17 16		17 17	

Suggested program for a college major in physical education and a teaching major in physical education and health, with a minor teaching area in biology.

Freshman year			Sophomore year		
Biol 11-12	Exp. Biol.	4 4	Biol 21-23	Bot.; Zool.	4
Eng 3-4	Rhet.; Comp.	3 3	Biol 25	Health	3
Hist 11-12	West. Civ.	3 3	Biol 22	Anat. & Physiol. ...	4
Hum 25-27	Music; Art	2 2	Educ 30	Psych.	2
Ph Ed 16	First Aid	2	Ph Ed 11	Hist. Prin.	3
Ph Ed 41	El. Grades	2	Ph Ed 26	Minor Spts.	2
Phil 12	Logic	3	Ph Ed 22	Gymnastics	2
(Rel 11)	Liturgy	3	Psych 21	Phil. Psych.	3
		— —	(Rel 21)	Scripture	3
		17 17	Soc 21	Gen. Sociol.	3
			Sp 15	Fundamentals	2
			Hum 23-24	World Lit.	2 2
				— —	
				18 17	
Junior year			Senior year		
Biol 34	Cons.	3	Econ 21	Prin. Econ.	3
Biol 32	CVA	4	Educ 47	Stud. Tchg.	7
Chem 11	Gen. Chem.	4	Educ 32-49	G. Sp. Mthds.	3
Educ 37-34	Test.; Phil.	2 2	Educ 31	Hist.	2
Ph Ed 34	Kines.	3	Ph Ed 30-50	Recr.; Semr.	6
Ph Ed 46	Org. P. E.	3	Ph Ed 32-48	Bsbl.; Bkbl.	5
Ph Ed 35	Test. Msmt.	3	Ph Ed 42	Fld. & Trck.	2
Ph Ed 45	Org. Hlth.	3	Phil 36	Ethics	3
Ph Ed 43	Football	3	(Rel)	Elective	3
Phil 31	Metaphysics	3		— —	
(Rel)	Elective	3		18 16	
		— —			
		18 18			

86 SAINT JOSEPH'S COLLEGE

Suggested program for a college major in history, and a teaching major in social studies, with a minor teaching area in English.

Freshman year			Sophomore year		
Eng 3-4	Rhet.; Comp.	3 3	Hum 23-24	World. Lit.	2 2
Hist 11-12	West. Civ.	3 3	Geol 11-12	Phys.; Hist.	4 4
Hum 27-25	Art; Music	2 2	Geol 20	Geography	3
Phil 12	Logic	3	Econ 21-22	Econ. Prin.	3 3
Psych 21	Phil. Psych.	3	Hist 23	Amer. Civ.	3
(Rel 11-21)	Lit.; Scrp.	3 3	Hist	U. L. Elective	3
Pols 21-22	Int. Govt.	3 3	Soc 21	Gen. Sociol.	3
		— —	Sp 15	Fundamentals	2
		17 17	Math 11	Fund. Math. & Alg.	3
				— —	— —
				18 17	
Junior year			Senior year		
Phil 31-36	Meta.; Ethc.	3 3	Educ 46	Stud. Tchg.	7
(Rel)	Elective	3	Educ 32-49	G. Sp. Mthds.	3
Educ 30	Educ. Psych.	2	Educ 34	Phil. Ed.	2
Hist	Elective	3 6	Eng	Elective	3
Educ 31-37	Hist.; Test.	2 2	Eng 36	Amer. Lit.	3
Eng 37	Adv. Writ.	3	Phil 36	Ethics	3
Eng 22	Eng. Lang.	3	Hist	Elective	6 6
Eng 38	Adv. Gram.	2	(Rel)	Elective	3
Eng	Elective	3		— —	— —
		— —		18 18	
		17 18			

Suggested program for a college major in political science and a teaching major in social studies, with a minor teaching area in English.

Freshman year			Sophomore year		
Eng. 3-4	Rhet.; Comp.	3 3	Econ 21-22	Prin. Econ.	3 3
Hist 11-12	West. Civ.	3 3	Geol 11-12	Phys.; Hist.	4 4
Hum 27-25	Art; Music	2 2	Hist 23-24	West. Civ.	3 3
Phil 12	Logic	3	Math 11	Fund. Math.&Alg.	3
Psych 21	Phil. Psych.	3	Eng 22	Eng. Lang.	3
(Rel 11-21)	Lit.; Scrip.	3 3	Hum 23-24	World Lit.	2 2
Soc 21	Gen. Sociol.	3	Geol 20	Geography	3
(PolS 22)	Amer. Gvmt.	3	Soc	Elective	3
		— —		— —	— —
		17 17		18 18	
Junior year			Senior year		
Educ 31-37	Hist.; Test.	2 2	Educ 46	Stud. Tchg.	7
Educ 30	Psych.	2	Educ 32-49	G. Sp. Mthds.	3
Eng 37-38	Comp.; Gmmr.	3 2	Educ 34	Phil. Ed.	2
Eng	Electives	6	Eng 36	Amer. Lit.	3
Hist 41	Hist. Eng.	3	Eng	Elective	3
Phil 31	Metaphysics	3	Phil 36	Ethics	3
PolS 41-42	Pol. Phil.	3 3	PolS	Electives	6 6
PolS 35	Const. Law	3	(Rel)	Elective	3
(Rel)	Elective	3		— —	— —
Sp 15	Fundamentals	2		18 18	
		— —			
		19 18			

Suggested program for a college major in sociology and a teaching major in social studies, with a minor teaching area in English.

Freshman year				Sophomore year			
Eng 3-4	Rhet.; Comp	3	3	Econ 21-22	Econ. Prin.	3	3
Hist 11-12	West. Civ.	3	3	Educ 31	Hist. Ed.		2
Hum 27-25	Art; Music	2	2	Eng 22	Eng. Lang.		3
Phil 12	Logic	3		Geol 11-12	Phys.; Hist.	4	4
PolS 22	Amer. Gvmt.		3	Geol 20	Geography	3	
Psych 21	Phil. Psych.		3	Hist 23-24	Amer. Civ.	3	3
(Rel 11-21)	Lit.; Scrp.	3	3	Hum 23-24	World. Lit.	2	2
Soc 21	Gen. Sociol.	3		Math 11	Fund. Math.&Alg. 3		
		—	—	Speech 15	Fundamentals		2
		17	17			—	—
						18	19
Junior year				Senior year			
Educ 30-37	Psych.; Test.		4	Educ 46	Stud. Tchg.	7	
Eng 37	Adv. Comp.	3		Educ 32-49	G. Sp. Mthds.	3	
Eng 38	Adv. Gmmr.		2	Educ 34	Phil. Ed.	2	
Eng	Elective	3	3	Eng 36	Amer. Lit.		3
Phil 31	Metaphysics	3		Eng	Elective		3
PolS 44	Intl. Rel.		3	Phil 36	Ethics		3
(Rel)	Elective	3		(Rel)	Elective		3
Soc	Elective	6	6	Soc	Electives	6	6
		—	—			—	—
		18	18			18	18

COURSES IN EDUCATION

30. Educational Psychology I: Psychology of Learning 2 hours

The course in educational psychology aims to give the student an understanding of the characteristics of human behavior and the factors which affect its development. Emphasis is placed on those basic facts and principles that are generally accepted by today's educators and that can be integrated into the student's own experience and made to function in his educational career.

Prerequisite: Psychology 10 or Psychology 21.

31. History and Principles of Education 2 hours

An exposition of the development of school systems and educational practices in the United States from the Colonial Period to the present. Class work and reading assignments will include historical material to illustrate the principles involved in the rise of new movements and practices in education. Catholic principles of education are stressed throughout the course.

32. General Methods 1 hour

This course deals with general principles of effective teaching in secondary schools. Topics for discussion include: selection and

88 SAINT JOSEPH'S COLLEGE

arrangement of subject matter; motivation and direction of learning activities; discipline; questioning, assignment and review procedure; problem-project teaching and socialized recitation; development of appreciation, attitudes and ideals.

Note: may be taken only in conjunction with Educ. 46 — Student Teaching.

33. Development Reading 2 hours

An analysis of the reading problems of high school and college students. Material and procedures for identifying the reading attainments and needs of the individual. Basic principles and techniques for improving reading skills.

34. Philosophy of Education 2 hours

A study of the philosophical principles underlying education as a social institution. The course aims to provide the student with norms for estimating the relative value of educational theories, practices, and agencies which influence the work of the schools.

35. Sociology of Education 3 hours

The school and the society. The function of the school as an agent of culture transfer. Detail of current analyses. Projects.

36. Elementary Curriculum 3 hours

A general introduction to the principles and trends in the various areas of the curriculum in the light of modern concepts of child development.

37. Educational Psychology II: Tests and Measurements 2 hours

History of the testing movement; principles of test construction; qualities of and evaluation of teacher and standardized tests; a study of the various types of individual and group tests; basic statistical concepts, the application of tests to educational and psychological problems, and the evaluation, interpretation, and application of test results; practice in taking and giving tests in actual educational and psychological situations.

38. Elementary Statistics. Econ. 38 3 hours

Note: Students who show credit in Math. 11, 12, 13, and 14, must take Math. 38, Probability and Statistics, instead of Education 38, Elementary Statistics.

39. Counseling and Guidance 2 hours

Principles and techniques of personal counseling and of educational and vocational guidance of high school students. Attention is given to the use of appropriate tests, rating scales, interview techniques, organizing of the guidance program, placement and follow-up services in the high school.

40. Children's Literature 2 hours

A survey of traditional and contemporary literature for children from kindergarten through junior high school. Emphasis is placed on types of literature, methods of use, authors, and illustrators.

41. Human Growth and Development 2 hours

A study of the psychological factors in child development from birth to adolescence; attention is given to intellectual, emotional, social, physical and religious development.

42. Psychology of Adolescence 3 hours

A study of the nature of adolescents with special reference to their physical, mental, emotional, social, moral and religious problems and development.

43. Mental Hygiene 3 hours

A study of the psychological evidence upon which the point of view, principles and techniques of mental hygiene are based; the application of the findings to the educative process.

44. Professional Laboratory Experiences 1 hour

Laboratory and seminar course involving guided observation and participation in the activities of the elementary school.

45. Student Teaching: Elementary School 5-10 hours

Semester's program of observation and teaching in an approved elementary school under the direction of an elementary supervising teacher and the Director of Student Teaching of St. Joseph's College. Lesson plans and conferences are requirements. A minimum of 36 hours of observation and 90 hours of actual teaching are necessary to qualify for certification in Indiana. Students qualifying for other states will be considered individually.

Prerequisite: Departmental approval.

46. Student Teaching: High School

5-10 hours

This course is required of all students working for a high school certificate. Students are required to observe classes in the local schools for thirty to thirty-five periods, and to record the results of their observation. Each student is also required to plan and teach at least ninety periods under the direction of an approved supervising teacher. Individual conferences and group meetings are held weekly with the Director of Student Teaching.

Prerequisite: Departmental approval.

47. Art Skills and Crafts

3 hours

The fundamentals of drawing, pattern composition, essentials of lettering and posters are intertwined with the materials, processes and products of industry. The student is shown how to organize this knowledge for effective teaching at the elementary level.

48.1 Language Arts in the Elementary School I

2 hours

This course covers the program of reading at the elementary level. It stresses the place and importance of reading in the elementary curriculum, reading-readiness, methods of approach, silent and oral reading, valuation, and remedial measures.

48.2 Language Arts in the Elementary School II

2 hours

This course stresses the child's expressional abilities — written and oral expression — and includes grammar, spelling and handwriting. It considers instructional methods, standards of achievement, and corrective measures.

**48.3 Social Studies and Natural Sciences in the
Elementary School**

3 hours

A study of the place of the natural sciences and the social studies in the elementary curriculum; the classroom methods, techniques and materials in their areas; measurement of the results of teaching; curriculum content.

48.4 Fundamentals of Arithmetic

2 hours

This course is designed for elementary teachers with the express purpose of familiarizing them with the fundamental structure and techniques of arithmetic before studying methods of presenting that subject to beginners.

48.5 Methods in Elementary Arithmetic 3 hours

Techniques and methods of teaching arithmetic in the elementary school; individual diagnosis; remedial teaching and evaluation.

Prerequisite: Education 48.4 and Math 11.

48.6 Methods of Music 3 hours

Modern methods of presenting music to children in the elementary school. Discussion of such topics as rhythmic activity, singing, appreciation, and means of helping the less musically gifted child.

49. Special Methods: High School 2 hours

Professional academic courses are organized in each of the teaching fields described by the Comprehensive Areas. These courses deal with the particular aims, materials, and methods of the respective subjects as presented in the modern high school. Credit in Special Methods courses applies to the requirements in professional education, but may not be counted toward a major or a minor in the academic department to which the subject is related.

SPECIAL METHODS COURSES

49.LA. The Teaching of Language Arts in High School

For prospective teachers of English, speech, and journalism.

49.FL. The Teaching of Foreign Language in High School

For prospective teachers of German, French, Latin, and Spanish. Materials are adapted to individual needs.

49.SS. The Teaching of Social Studies in High School

For prospective teachers of history, geography, economics, political science, and general business.

49.Sc. The Teaching of Mathematics and Natural Science

For prospective teachers of mathematics, general science, chemistry, and physics.

49.PE. The Teaching of Health and Physical Education

For prospective teachers of health, and high school athletics.

49.Mu. The Teaching of Music in High School

For prospective teachers of music.

51. Honors Seminar in Education 3 hours

ENGINEERING

FIVE-YEAR ENGINEERING PROGRAMS

The following programs enable students to combine a liberal arts course at Saint Joseph's College with education in Engineering at a University or Technical School. Under this plan, the student attends Saint Joseph's for three years* and then transfers to the Engineering School for the completion of advanced courses in a particular field of engineering. Formal agreements on this 3-2 program have been completed with the following: **University of Detroit; Marquette University; New York University; Purdue University; Rose Polytechnic Institute; Saint Louis University (civil and industrial engineering); University of Illinois; University of Notre Dame;** however, students may transfer to any accredited engineering college.

Upon the successful completion of the requirements from Saint Joseph's, the candidate will receive the Bachelor of Arts degree, and, upon the successful completion of the five-year course, the Bachelor of Science in Engineering from the school to which he has transferred. The B.A. degree for Aeronautical, Astronautical, Civil, Electrical, Mechanical, Metallurgical Engineering, and for Meteorology and Oceanography, is given in Mathematics-Physics; for Agriculture, in Biology-Chemistry; for Chemical Engineering, in Chemistry; for Industrial Engineering, in Economics.

Students in the 3-2 program are accepted at these engineering schools only on recommendation of the Dean's Committee on Engineering. They must submit a formal application for transfer to an engineering school in the fall semester of their junior year.

The 3-2 Engineering student is subject to all graduation requirements. (cf. Note 3 of Departmental Requirements in Department of Mathematics.) In place of the Comprehensive Examination, however, he must plan to take the Graduate Record Examination (Advanced Test in Engineering or Agriculture only.) This test can be taken at Saint Joseph's (consult College Calendar) or at an authorized testing center, but no earlier than the eighth semester of the Engineer's course of studies. His scores on the Graduate Record Examination will be submitted for approval to the Division of Natural Sciences.

* Some programs may require a summer session at the engineering college.

Approved Sequence of Courses for the First Three Years
of the

1. Aeronautical and Astronautical Engineering Program
2. Mechanical Engineering Program
3. Civil Engineering Program
4. Electrical Engineering Program
5. Meteorology and Oceanography

FRESHMAN YEAR

Semester

Hours

English 3-4	3	3	Rhetoric and Composition
Humanities 23-24	2	2	World Literature
Mathematics 11, 12, 13, 14	6	6	Freshman Mathematics
Philosophy 12, 21	3	3	Logic; Philosophy of Man
Physics 24		4	Mechanics, Thermometry
Religion 11	3		The Sacred Liturgy

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SOPHOMORE YEAR

Chemistry 11-12	4	4	General Chemistry and Qualitative Analysis
Mathematics 31, 32	3	3	Calculus III; Advanced Calculus
Humanities 25	2		Music Art Forms
Humanities 27	2		Art: History and Appreciation
Philosophy 31		3	Metaphysics
Physics 25-26	4	4	Thermodynamics; Electricity and Atomic Structure
Religion 21 and 31 or 43	3	3	Sacred Scripture: God and Creation or Christian Morality

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JUNIOR YEAR

History 11-12	3	3	Development of Western Institutions (1)
Mathematics 9, 10	3	3	Mechanical Drawing; Descriptive Geometry (2)
Mathematics 34		3	Differential Equations
Electives	3	3	Electives (3)
Philosophy (upper level)		3	Required Elective
Physics 43, 44	3	3	Statics; Dynamics
Religion 43 or 44	3		Christian Morality or Christology
Speech 15	2		Fundamentals of Speech

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- (1) Students planning to attend Illinois Institute of Technology or Purdue choose Economics 21-22 instead of History 11-12. Industrial Engineering students planning to attend St. Louis University also choose Economics 21-22 and take only History 12 as an elective.
- (2) Students planning to attend New York University in Aeronautics and Astronautics take Mathematics 44 and Physics 41-42 instead of Mathematics 9, 10 and the Elective. These same courses are to be replaced by Physics 31, 41-42 for those planning to attend N.Y.U. in Electrical Engineering.
- (3) Civil Engineering students take Geology 11, Physical Geology; Electrical Engineering students take Physics 31, Electric Circuits. Civil Engineering students planning to attend St. Louis University also take Economics 21, Principles of Economics (I). Industrial Engineering students planning to attend the same institution, see note 1.

94 SAINT JOSEPH'S COLLEGE

Approved Sequence of Courses for the First Three Years of a Combined Program in Agriculture

FRESHMAN YEAR

				Semester Hours		
Biology	11-12	.....	4	4	Introduction to Experimental Biology	
English	3-4	.....	3	3	Rhetoric and Composition	
History	11-12	.....	3	3	Development of Western Institutions	
Humanities	23-24	.....	2	2	World Literature	
Mathematics	11, 12	.....	3	3	Freshman Mathematics	
Philosophy	12	.....	3		Logic	
Religion	11	.....		3	The Sacred Liturgy	
			—	—		
			18	18		

SOPHOMORE YEAR

Chemistry 11, 12	4	4	General Chemistry; Inorganic Chemistry and Qualitative Analysis
Humanities 27, 25	2	2	Art: History and Appreciation; Music Art Forms
Mathematics 13, 14	3	3	Calculus I, II
Philosophy 21, 31	3	3	Philosophy of Man; Metaphysics
Physics 21-22	4	4	College Physics
Religion 21, 31	3	3	Sacred Scripture; God and Creation
	—	—	
	19	19	

JUNIOR YEAR

Biology 43-44	4	4	Microbiology
Chemistry 31-32	4	4	Organic Chemistry
Economics 21		3	Principles of Economics
Geology 11	4		Physical Geology
Philosophy, upper level		3	Required Elective
Religion 43, 44	3	3	Christian Morality; Christology
Speech 15	2		Fundamentals of Speech
	—	—	
	17	17	

Approved Sequence of Courses for the First Three Years of

1. Chemical Engineering Program
2. Metallurgical Engineering Program

FRESHMAN YEAR

		Semester Hours	
Chemistry 13-14	5	5	General Chemistry; Qualitative Analysis
English 3	3		Rhetoric
Humanities 25	2		Music Art Forms
Mathematics 11, 12, 13, 14 ...	6	6	Freshman Mathematics
Philosophy 12	3		Logic
Physics 24		4	Mechanics, Thermometry
Religion 11		3	The Sacred Liturgy
	—	—	
	19	18	

SOPHOMORE YEAR (1)

Chemistry 33	4		Quantitative Analysis
English 4		3	Composition
Humanities 27		2	Art: History and Appreciation
Mathematics 31	3		Calculus III
Philosophy 21, 31	3	3	Philosophy of Man; Metaphysics
Physics 25, 26	4	4	Thermodynamics; Electricity and Atomic Structure
Religion 21, 31	3	3	Sacred Scripture; God and Creation
Speech 15		2	Fundamentals of Speech
	—	—	
	17	17	

JUNIOR YEAR (2)

Chemistry	4		Elementary Physical Chemistry
Chemistry 37, 38	1	1	Literature of Chemistry; Pro-Seminar
History 11-12	3	3	Development of Western Institutions
Humanities 23-24	2	2	World Literature
Mathematics 9, 10	3	3	Mechanical Drawing; Descriptive Geometry
Philosophy (upper level)	3		Required Elective
Physics 43, 44	3	3	Statics; Dynamics
Religion 43,44	3	3	Christian Morality; Christology
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	18	19	

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- (1) Students planning to attend New York University in Chemical Engineering take Chemistry 31-32 and Mathematics 34 instead of Chemistry 36, 37, 38 and Mathematics 9-10; those planning to attend there in Metallurgy take Physics 31, 41-42 instead of Chemistry 36, and Mathematics 9-10.
- (3) Students are to consult the Chairman of the Department of Chemistry before registering for their Junior Year.

96 SAINT JOSEPH'S COLLEGE

Approved Sequence of Courses for the First Three Years of the
Industrial Engineering (and Operations Research) Program¹

FRESHMAN YEAR

		Semester			
		Hours			
Business	21, 22	3	3	Principles of Marketing; Principles of Management	
English	3-4	3	3	Rhetoric and Composition	
Mathematics	11, 12, 13, 14	6	6	Freshman Mathematics	
Philosophy	12	3		Logic	
Physics	24		4	Mechanics, Thermometry	
Religion	11, 21	3	3	The Sacred Liturgy; Sacred Scripture	
		—	—		
		18	19		

SOPHOMORE YEAR

Accounting	21-22	3	3	Principles of Accounting	
Economics	21-22	3	3	Principles of Economics	
Mathematics	31, 34	3	3	Calculus III; Differential Equations	
Philosophy	21, 31	3	3	Philosophy of Man; Metaphysics	
Physics	25, 26	4	4	Thermodynamics; Electricity and Atomic Structure	
Religion	31 or 43		3	God and Creation or Christian Morality	
Speech	15	2		Fundamentals of Speech	
		—	—		
		18	19		

JUNIOR YEAR

Accounting	42		3	Cost Accounting	
Economics	49	3		Catholic Social Teaching	
Humanities	25, 27	2	2	Music Art Forms; Art: History and Appreciation	
Humanities	23, 24	2	2	World Literature	
Mathematics	9, 19	3	3	Mechanical Drawing; Descriptive Geometry ²	
Philosophy, upper level	.....	3		Required Elective	
Physics	43, 44	3	3	Statics; Dynamics	
Religion	43 or 44		3	Christian Morality; Christology	
		—	—		
		16	16		

- (1) Students planning to attend St. Louis University follow the program for civil engineers.
- (2) Students planning to attend New York University take Physics 31 and Psychology 10 instead of Mathematics 9-10.

DEPARTMENT OF ENGLISH

DEPARTMENT OF ENGLISH

The aims of the Department of English are: 1. To teach the student to read with understanding, and to write and speak with correctness, with exactness, and with some artistry. 2. To develop a capacity for the enjoyment of literature, especially of the major English and American authors. 3. To cultivate what Newman calls "enlargement of mind," which embraces breadth and depth of view, critical judgment, and good taste. 4. To provide adequate preparation for graduate studies, for teaching in secondary schools, and for the study of journalism or law.

Departmental Requirements.

1. English 21-22 are prerequisites for a major sequence in English.

2. The requirements for a major sequence in English are twenty-four hours in upper-level courses. The requirements for a minor sequence are any twelve hours in upper-level courses.

3. Furthermore, for graduation the student majoring in English must show twelve hours of credit in a foreign language. The Department urges that this language be German, especially if he plans to attend graduate school in English.

4. The Department's "Basic Reading List for English Majors" constitutes the minimal reading required through the several years of literary study. The freshman who plans the English major is expected to obtain his copy of this list promptly from the Department Chairman and to use it as a guide.

5. The group major in Journalism-English comprises a minimum of thirty semester hours in upper-level courses so distributed that each department is represented by at least twelve. Requirements: Journalism 11, 31 and 32, and six hours in a foreign language.

Suggested Program.

1. On the lower-level, students majoring in English and Journalism-English take Program II. Electives recommended on the freshman level are introductory courses in a foreign language (e.g. German 1-2).

2. Prerequisites to be taken in the sophomore year are the following: English 21-22. If the student has already begun courses in a foreign language, he should continue them on the sophomore level (e.g. German 21-22).

98 SAINT JOSEPH'S COLLEGE

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN ENGLISH

3-4. Rhetoric and Composition **6 hours**

This course embodies the study and practice of correct and effective writing. It includes a review of grammar, syntax, and the mechanics of expression.

7. Literary Analysis **3 hours**

A course restricted to certain pre-theological students who have pursued a college preparatory curriculum and have by examination received credit in English 3. Some writing is integrated with the basic work — analytical study of many selections in the short story, essay, drama, and lyric.

21. Introduction to Literary Studies **3 hours**

A survey of the general history of literature in English, the nomenclature of literary analysis and criticism, and the reading of representative master-works in the major literary genres. Required of all English majors.

22. The English Language **3 hours**

The nature and history of language as particularly exemplified by English. Special studies in such areas as etymologies, meaning, and the units of English grammar, from the morpheme to the sentence as a whole. Required of all English majors.

31-32. Shakespeare **6 hours**

A critical study of Shakespeare's life and works. The first semester includes the author's works to approximately 1600; the second semester, his later writings. (Offered 1965-66)

33. The Romantic Age **3 hours**

A study of the main writers of the period and their relation to their own and later times. (Offered in 1965-66)

34. The Victorian Age 3 hours

A study of the main Victorian and later Victorian writers and their relation to contemporary ideas. (Offered in 1965-66)

35-36. American Literature 6 hours

The major prose and poetry writers of American literature are studied critically and historically. (Offered in 1965-66)

37. Advanced Writing 3 hours

Advanced studies in expository, descriptive, narrative, and persuasive writing. (Offered every year)

38. Advanced Grammar 2 hours

Systematic study in depth of the syntax of the English sentence. Emphasis is on the conventional grammar but with attention directed also to contemporary approaches and new departures. (Offered in 1964-65)

41. Renaissance 3 hours

A study of selected non-dramatic writings by the major English authors from St. Thomas More to Milton inclusive. (Offered in 1964-65).

42. Neo-Classicism 3 hours

A study of major writers of the English revival of classicism. (Offered in 1964-65)

43. Chaucer 3 hours

After an introduction into the life and times of Chaucer, the student analyzes linguistically and reads critically the Middle English of the *Canterbury Tales* and *Troilus and Criseyde*. (Offered in 1964-65).

44. Contemporary British Literature 3 hours

A survey of the chief British authors, major works, and trends in English since 1918, exclusive of the drama and the novel. (Offered in 1964-65).

45. The Novel 3 hours

A study of the major English and American novelists from Richardson to the present time. (Offered in 1964-65).

100 SAINT JOSEPH'S COLLEGE

46. The Drama 3 hours

A survey of the chief trends in English and American drama from the beginnings to the present, with emphasis on the reading of representative plays exclusive of Shakespeare's. (Offered in 1964-65).

47. Catholic Literature 3 hours

An introduction to the Catholic Literary Revival in England and America since 1800, and its ties with Catholic literature in other tongues.

48. Literary Criticism 3 hours

A study of the nature, basic values, and techniques of literatures as interpreted by various critics. Insight into principles, criteria, and methods is deepened through selected reading. (Offered in 1964-65).

51. Honors Seminar in English 3 hours

DEPARTMENT OF GEOLOGY

In addition to their contribution to general education the courses in geology are designed to prepare the student for entrance into graduate school or specific occupational fields. In this latter respect the courses are intended to prepare the student for a position with the United States Civil Service Commission, to enable him to work with the United States Geological Survey and State Geological Surveys, or to train him for employment in the petroleum or mining industries, or with the National Park Service, either in the field or in the laboratory.

Laboratory fees: Geology 11 and 12, each \$5.00. Geology 33, 34, 37, 41, 42, and 46, each \$7.50.

Departmental Requirements.

1. Geology 11-12 are prerequisites for all upper-level courses in geology.

2. The minimum requirements for a **major** sequence in geology are twenty-four hours in upper-level courses, including Geology 43 and 44. A minimum of a four-hour summer field course is also required. It is further necessary that the student majoring in geology show credit in or give evidence of sufficient knowledge of Physics 21-22, Chemistry 11-12, and Mathematics 11-12. Mathematics 13-14 are strongly recommended for the major in geology. The requirements for a **minor** sequence are twelve hours in upper-level courses.

Suggested Program.

1. On the lower level, students majoring in geology take Program III. In the freshman year they take the courses in Bracket B.

2. Requirements and electives recommended in the sophomore year are the following: Geology 32, 33, 34; Mathematics 13, 14 or Physics 21-22.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy, and Humanities 25, 27.

COURSES IN GEOLOGY**11. Physical Geology 4 hours**

This course introduces the student to the field of geology through a study of the following topics: rock weathering, mass wasting, sculpture of lands by streams, subsurface water, lakes and swamps, glaciation, erosion and deposition by the wind, marine erosion, volcanoes, deformation of the earth's crust, earthquakes, metamorphism, land forms, the common rocks and minerals, topographic maps. Three lectures and one laboratory period each week.

12. Historical Geology 4 hours

A further introduction to the field of geology through a study of the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Precambrian, Paleozoic, Mesozoic and Cenozoic world, fossils, geologic maps. Three lectures and one laboratory period each week.

Prerequisite: Geology 11.

20. World Geography 3 hours

This course presents to the student the life and occupations of man as related to geographic conditions. The social, political, and industrial development of typical regions is studied in relation to such factors as land utilization, natural highways and boundaries, and distribution of natural resources.

32. Graphic Procedures in Geology 2 hours

This course covers the elements of engineering drawing as applied to geologic problems. The first half of the semester is devoted to instruction in sketching, lettering, use of instruments, the con-

102 SAINT JOSEPH'S COLLEGE

struction of charts, maps, and geologic illustrations. The second half of the course covers the principles of orthographic projection and plane descriptive geometry as used in the solution of practical geologic problems. Two two-hour periods per week. Prerequisite: Geology 12 and consent of Instructor.

33. Mineralogy 4 hours

A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 11, 12.

34. Optical Mineralogy 3 hours

Theory and practice of determining the optical properties of minerals with the aid of the petrographic microscope. One lecture and two laboratory periods per week.

Prerequisite: Geology 12, 33.

35. Geomorphology 3 hours

The study of the land forms produced by various geologic processes on the surface of the earth; the use of land forms in the interpretation of geologic history. Two lectures and one laboratory period each week.

Prerequisite: Geology 12.

36. Geologic Field Methods 2 hours

This course treats the use of the plane table and alidade, Brunton compass, altimeter, and other instruments used in geologic field problems and mapping. Two two-hour laboratories each week. Prerequisites: Geology 11 and 12.

37. Photogeology 2 hours

The course embraces the evaluation and depiction of geologic phenomena from aerial photographs. The primary emphasis is placed on the delineation of structural, petrologic, geomorphic and cultural features. Two laboratory periods per week. Prerequisite: Geology 12, 43.

39. Petrology 3 hours

A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week.

Prerequisite: Geology 33 and 34.

41. Invertebrate Paleontology 4 hours

Morphology, classification, geological significance of fossils; special study of index fossils of North America. Three lectures and one laboratory period each week.

Prerequisite: Geology 12.

43. Structural Geology 4 hours

A study of the framework of the earth's crust; the deformation of the earth, its causes and effects. Three lectures and one laboratory period each week.

Prerequisites: Geology 12, and Mathematics 11-12.

44. Stratigraphy 4 hours

Methods of description, classification, interpretation, and correlation of rock units. Laboratory exercises are designed to aid in understanding stratigraphic problems, paleoenvironments, and faunal and facies changes. Three lectures and one two-hour laboratory each week.

Prerequisites: Geology 12, 34, 39, and 41.

46. Economic Geology 3 hours

A study of the general principles for the formation of mineral deposits, together with an application of these principles to the study of specific economic mineral deposits. Two lectures and one laboratory period. (To be offered 1964-65).

Prerequisites: Geology 22 and 34.

47-48 Seminar in Geology 2 hours

Discussion of special problems.

Prerequisite: Senior Standing.

51. Honors Seminar in Geology 3 hours

DEPARTMENT OF HISTORY

The Department of History attempts to explain events by their human causes and to discern in them, where appropriate, the influence of Providence and the play of man's free will, develop the ability to judge critically, to lay the foundations for that general culture which requires the knowledge and background necessary for intelligent and useful citizenship. Concentration in History prepares a student for teaching in secondary schools, for entrance into graduate or law school, and provides a broad cultural basis in a four-year liberal arts program.

Departmental Requirements.

1. History 11-12 are prerequisites for all upper-level courses.
2. The requirements for a major sequence in history are twenty-four hours in upper-level courses including History 33 and 50. Though not required, History 23-24 are strongly recommended for majors. The requirements for a minor sequence are any twelve hours in upper-level courses.
3. Students expecting to pursue graduate studies in history are advised to take at least twelve hours or the equivalent in a foreign language, preferably French or German.

Suggested Program.

1. On the lower level students majoring in history take Program I. Electives recommended in the freshman year are: foreign language or Political Science 21-22.
2. Electives recommended for the sophomore year are the following: History 23-24, Economics 21-22, Political Science 21-22, further courses in foreign languages.
3. Political Science 44, International Relations, may be counted towards the twenty-four hours required for a major in History.
4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN HISTORY

11-12. The Development of Western Institutions 6 hours

The origins and growth of the basic social and cultural institutions of Western Civilization. Their pre-literary origins, the ancient Mediterranean world, and medieval society are considered during the first semester; their development in the modern world since the seventeenth century is treated in the second semester.

20. World Geography 3 hours
(See Geology 20).

23-24. American Civilization, I-II 6 hours

A study of American civilization from its European origins until 1865 in the first semester; its development since 1865 until the present is considered in the second semester.

32. Classical Civilization 3 hours

A study of the two centers of classical civilization, Athens (500 to 400 B.C.) and Rome (100 B.C. to 100 A.D.). Emphasis is placed on Athenian cultural attainments and on Roman political developments.

33. History of the Middle Ages 3 hours

The development of Europe from the disintegration of the Roman Empire in the West to the Renaissance. The Church, feudalism, the manorial system, and town life among the major topics treated. Stress is placed upon the social and economic life in the period.

35. The Founding of the United States 3 hours

After a review of the American colonial heritage, attention is concentrated on the backgrounds and issues of the American Revolution, the framing of the Constitution, the party battles of the era of Hamilton and Jefferson, and the emergence of Jeffersonian democracy.

36. America in the Nineteenth Century 3 hours

A consideration of nineteenth century American political, social, economic, and cultural life, exclusive of the slavery controversy and the Civil War and Reconstruction. Attention is concentrated on diplomatic and cultural nationalism, the Marshall and Taney Courts, Jacksonian Democracy, and post-war industrialism, politics, and cultural change.

37. Civil War and Reconstruction 3 hours

A study of the slavery question, the disruption of the party system, the war between the states, and the issues and problems of reconstruction.

38. Recent American History 3 hours

The most recent era in the growth of the American people is studied in its world setting.

39. History of Latin America 3 hours

A study of the main trends in the development of Latin American civilization from the Age of Discovery to Recent Times.

40. History of the American Frontier 3 hours

The influence of the West on American political, economic, and social life from the national era to the 1890's, with special reference to patterns of settlement, public land policy, sectionalism, territorial expansion, and the trans-Mississippi West.

106 SAINT JOSEPH'S COLLEGE

41. History of England to 1603 3 hours

The emphasis of this course is on the constitutional and legal institutions and development of the English people from Anglo-Saxon times to the early modern period. Anglo-Saxon, Anglo-Norman, and Common law, the growth of central government and administration, and the rise of Parliament are particularly stressed. (May be counted towards a major in Political Science).

42. History of England since 1603. 3 hours

The constitutional, imperial, and social growth of the English people from Stuart times to the present.

43. History of the Modern Far East 3 hours

A study of the internal difficulties of the Far East, particularly China and Japan, caused by the impact of Western technical civilization, the resultant reforms, and the shifting balance of power in the area from the early nineteenth century to the present. (Offered in alternate years).

44. History of Modern Russia 3 hours

The origins and development of the revolutionary movements and the basic factors in Russian and Soviet foreign policy from the eighteenth century to the present time.

46. Early Modern Europe, 1500-1789 3 hours

A study of the Renaissance, the Reformation, and the Catholic Counter-Reformation; the age of the Baroque and the 18th Century.

47. Europe in the Nineteenth Century, 1789-1914 3 hours

Nineteenth century Europe, with emphasis on the French Revolution and its influence, liberalism, nationalism, materialism, and the origins of the first World War.

48. The World Since 1914 3 hours

A study of warfare, totalitarianism, dictatorships, and "collective security" in our own times.

50. Pro-Seminar in History 3 hours

An introduction, by means of directed reading and individual projects, to the methods of historical research, historiography, and the philosophy of history.

HONORS DEPARTMENT

This department was organized to enable exceptional students to broaden and deepen their knowledge. As a rule two or three All-College Honors courses are offered each semester. Students having a cumulative index of 3.00 or better are permitted to register for these courses and to submit them towards major, minor or degree requirements. They are invited to enter this program through the office of the Academic Dean. These students are assigned to a special Honors Committee which assists them in arranging their participation in the program. Students become eligible for this program at the close of their freshman year. To qualify for graduation with All-College Honors, students must have the required cumulative index for Honors and must complete a minimum of five Honors courses from at least three different departments. A student on this program may qualify for All-College Honors without completing requirements for departmental honors.

HONORS COURSES**100. Introduction to Knowledge 3 hours**

An examination of the origins, developments and perfection of knowledge and of the branches of higher learning. (Open to Freshmen only; Fr. Maziarz)

101. Comparative Education 3 hours

The major emphasis in this course is on the contemporary status of education in a selected number of representative countries of the world and the comparison of these educational systems with that of the United States. Attention is also centered on the international, government sponsored, and non-government educational organizations and agencies and their cooperative efforts in education. (Offered Fall, 1959-60; Sr. M. Audrey)

102. Contemporary Moral Problems 3 hours

This course deepens the Catholic intellectual's appreciation of the most pressing contemporary moral problems. Such problems arise in three areas: 1) in the very structure of Christian moral teaching, as the result of biblical and patristic studies and of contact with contemporary philosophy; 2) in theology's efforts to assimilate the findings of the positive sciences, notably psychology and sociology; 3) in today's closer association of Catholics with non-Catholics in political, economic and cultural life. (Offered Spring, 1959-60; Fr. Lubeley)

108 SAINT JOSEPH'S COLLEGE

103. Medieval Institutions

3 hours

An interpretative study of the great institutions of the Middle Ages — the Church, feudalism, law, the manor, the town, the schools and university — through selected classics in medieval history. The place of each institution in the fabric of medieval life is analyzed, together with the great ideas associated with it. Stress is placed on the cultural and social aspects of Western Europe from the seventh to the fifteenth centuries. (Offered Fall, 1959-60; Fr. Shea).

104. Great Historians and Their Ideas

3 hours

A study of selected works of some eight major historians and philosophers of history, representative of the main trends in historical interpretation and method. (Offered Fall, 1963-64; Fr. Shea).

105. Comparative Religions

3 hours

By means of weekly research, reports and discussion, the student investigates the principal elements of primitive and historical religions, comes to grips with the problems on the origin, development and nature of religion in general, and compares the so-called "natural religions" with the Judaeo-Christian tradition. (Offered Spring, 1959-60; Fr. Bierberg).

106. Studies in Satire and Irony

3 hours

Studies of the nature and uses of satire and irony as these forms appear in Western Literature. Wide readings in British, American, Continental, and Classical authors universally noted for their excellence in these genres. Weekly discussions and periodic papers. (Offered Spring, 1960-61; Fr. Druhman).

107. Economic Systems: Capitalism, Socialism & The Functional Economy

3 hours

A comparative examination of the theoretical foundations, the historical origins, and the actual operations of the three major types of economic systems. (Offered Fall, 1960-61; Dr. Jones).

108. Introduction to the History of Science

3 hours

A study of the men at the forefront of natural science in its periods of greatest advance, from the Greeks to the present, in an effort to appreciate their points of view and evaluate their contributions to man's understanding of physical nature. (Offered Spring, 1962-63; Fr. Kramer).

109. American Protestants 3 hours

A study of the principal Protestant Denominations, with special consideration to their doctrine and practice, their worship and life, their relations with Catholicism and with each other, contemporary ecumenism and the World Council of Churches. (Offered Fall, 1960-61; Fr. Bierberg).

110. The Christian Ethic in American Business 3 hours

An attempt to trace the sources of and reasons for the conduct of American business. The course begins with intensive readings from selected Catholic and non-Catholic writings. Tracing the direct reaction of theory on practice is sought by intensive reading of some of the "classic" business novels. (Offered Spring, 1960-61; Mr. Marini).

112. Key Figures in Contemporary British and American Poetry 3 hours

An in-depth study of the foremost British and American poets of the last forty years, beginning with T. S. Eliot. Emphasis on influences and literary movements which played upon these poets and their interpretation of our contemporary world. (Offered Spring, 1962; Fr. Druhman).

113. America Through European Eyes 3 hours

An examination of American institutions as observed by European travellers and critics from Crevecoeur to Maritain, with emphasis on Mrs. Trollope, Dickens, de Tocqueville, Lord Bryce, Brogan, and Barzun. Weekly discussions and periodic papers. (Offered Fall, 1961-62; Mr. Kilmer).

114. Quantitative Economic Analysis 3 hours

An introduction to certain quantitative aids in the managerial decision-making process. Emphasis is placed upon the integration between linear programming and certain topics in managerial economics: capital budgeting, product-mix, and work-force stabilization. (Offered Spring, 1961-62; Mr. Lynch).

116. The Role of the Layman in the Church 3 hours

After general considerations regarding what a layman is and what is his position in the Church, extensive attention is given to the laity in action in the Church's life. We consider the laity in relation to the Church's priestly, kingly and prophetic functions, as well as the laity's role in the communal life of the Church and her apostolic function. Finally, attention is given to the problem of lay holiness. (Offered Spring, 1961-62; Fr. Lubeley).

110 SAINT JOSEPH'S COLLEGE

117. Medieval Culture

3 hours

The course first establishes the historic and social perspective necessary for an awareness and appreciation of the literary, philosophic, artistic, and scientific refinements of medieval culture. Individual research topics are then assigned in both general and specific areas of student interest. (Offered Fall, 1963-64; Mr. Gatto).

118. Science and Government

3 hours

An analysis of the crisis in the government of science and the crisis between government and science. The problems arising from the growth and dominance of science, its increasing alienation from ordinary life, and the requirements for decision making in the public interest are discussed and documented by case studies. (Offered Spring, 1962-63; Dr. Barton).

119. The Population Problem

3 hours

An analysis of world population growth and its consequences. The biological, political, economic and sociological aspects of the problem in both developed and under-developed countries are discussed. The moral implications of potential decisions and remedies are considered. (Offered Fall, 1963-64; Dr. Barton & Mr. M. Ryan).

120. Contemporary Communications Problems

3 hours

The mass media create new dimensions to the problems of communication. This course explores these problems as they affect both sender and receiver. Particular attention is given to abnormalities in the communication process and to contemporary methods of evaluating communication. (Offered Spring, 1962-63; Mr. Kane).

122. Evolution — Theory and Mechanics

3 hours

A review of the theories of the beginnings of life with special emphasis on the impact of Darwin's theory. Discussion of the pre-Darwinians and their theory. A review of the evidence from other disciplines and its interpretation. A discussion of the modern thought on the mechanism of evolution and its application to present species. (Offered Spring, 1963-64; Mr. Mehall).

HUMANITIES COURSES

All students must, for graduation, show eight semester hours in the following courses.

23-24. World Literature

4 hours

Great classics — ancient, medieval, and modern — are read in translation, with attention to the continuity of broad literary trends,

to the interrelation of literatures, and to such artistic values as are preserved in translation.

25. Music Art Forms

2 hours

The aim of this course is to lay the foundation for an intelligent appreciation of music and its relation to human experience. The nature and development of music are studied, but primary emphasis is on an aural recognition of the actual music art forms.

27. Art: History and Appreciation

2 hours

A course designed to furnish the student with a background for an understanding of the arts and to broaden his judgment in regard to what constitutes beauty and good taste. A brief survey of painting, sculpture, architecture, and the minor arts of all periods.

DEPARTMENT OF JOURNALISM

The aim of the Department is to prepare the student for professional work in journalism or for graduate study in the field by providing him with an understanding of the principles, problems, responsibilities and some of the practices of the press in a Democratic society, and by cultivating in him a maximum degree of competence in non-fiction writing.

The journalism student can choose between two group majors, Journalism-Social Science and Journalism-English.

Departmental Requirements.

A. The group major in Journalism-Social Science has the aim of providing the student with a knowledge of those fields about which he might be expected to know as a professional journalist.

1. Journalism 11, Political Science 22, and Economics 21-22 are prerequisites for a group major in Journalism-Social Science.

2. The requirements for a group major in Journalism-Social Science are thirty-six hours in upper-level courses so distributed as to fulfill a minimum of twelve hours in journalism, twelve in political science, six in economics and six in history, including the following: Journalism 31-32; Political Science 33, 41, 42, and 44; Economics 37 and 46, and History 38 and 44.

3. Journalism-Social Science majors expecting to pursue graduate study in journalism are advised to show at least six hours of credit in a foreign language, preferably French or German. Such students are also strongly advised to take as many hours of journalism as possible above the minimum requirements of twelve.

B. The group major in Journalism-English comprises a mini-

mum of thirty semester hours in upper-level courses so distributed that each department is represented by at least twelve. Requirements: Journalism 11, 31, and 32, and six hours of a foreign language.

C. For a minor sequence in journalism, the student must show twelve semester hours in upper-level credit. Journalism 11 is not a prerequisite for a minor.

Suggested Program.

1. On the lower level, students pursuing a group major in either Journalism-Social Science or English-Journalism take Program II. Prerequisites and Electives recommended on the freshman level are: introductory courses in a foreign language; Journalism 11, Political Science 22.

2. Prerequisites and Electives in the sophomore year are the following: Journalism 31-32; Economics 21-22. If the student has already begun courses in a foreign language, he may continue them on the sophomore level (e.g. French 21-22).

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43, and 44; Philosophy 31 and one elective in philosophy.

COURSES IN JOURNALISM

11. Introduction to Journalism 3 hours

A basic course which precedes upper-level work. It examines the nature of the mass media of communication, with emphasis on their underlying principles and the major problems facing each of them. Includes a consideration of the several types of journalistic writing.

31. News Writing and Reporting 3 hours

A writing course stressing objective communication in the form of news and interpretative reporting.

32. Editing 3 hours

The study and practice of copy editing, with emphasis on the achievement of meaning in written communication. Also considers headline writing, typography, and the principles of makeup. Includes an analysis of content in newspapers and news magazines.

33. Editorial Persuasion**3 hours**

Analysis of the means of persuasion as outlined in Aristotle's **Rhetoric**: good character in the writer and proper appeal to the reader's intellect and emotions. Practical use of Aristotle's principles by the editorial writer.

34. Magazine Writing**3 hours**

A study of non-fiction writing in its various forms as they appear in the mass media.

42. Public Opinion and Propaganda**3 hours**

A study of the nature of public opinion in a domestic society, with emphasis on the role of the mass media in its formation, and of the principles and techniques of propaganda. (Offered in 1964-65)

44. Ethics and Law of the Press**3 hours**

An application of ethics to the press in the light of current problems and professional codes; a study of the laws, such as those of libel and copyright, which affect the relationship between the press and society. (Offered in 1965-66)

51. Honors Seminar in Journalism**3 hours**

DEPARTMENT OF LANGUAGES

The courses offered by the Department of Languages are designed to fulfill these general aims: (1) to provide the student with a basic knowledge of modern and classical language; (2) to offer through the study of language an insight into and an appreciation of the literature and culture of other peoples. More specifically, the department's purpose is to provide the student with the basic skills in a language — namely, the ability to read, write and speak modern languages and to read and write classical languages — in preparation for entrance into graduate school, theological seminaries and the teaching profession.

Departmental Requirements.

1. No **major** sequence is offered in languages. There are no prerequisites, but students will not be admitted to upper-level courses unless they show adequate preparation and proficiency.

2. The requirements for a **minor** sequence in a specific language are twelve hours in upper-level courses, unless otherwise noted.

COURSES IN FRENCH

1-2. Introductory French 6 hours

Careful training in the fundamentals of French grammar and pronunciation. Simultaneous development of the four ends of language study: reading, aural comprehension, writing and speaking.

21-22. Intermediate French 6 hours

Review of basic grammatical forms, plus advanced grammar and idiomatic usage. Reading of selected texts and written reports are required.

31. Advanced Composition 3 hours

Correct, idiomatic and effective writing in French. Translations are assigned, as well as topics for individual creative writing.

32. Advanced Conversation 3 hours

Systematic and intensive French oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in French, and audio-visual aids are used to perfect pronunciation and inflection.

35-36. French Literature to the 19th Century 6 hours

A survey of French literature from its beginnings to the nineteenth century. Readings from the most important authors. Oral and written reports are required.

41-42. French Literature of the 19th and 20th Century 6 hours

A survey of French literature of the nineteenth and twentieth centuries. Readings from representative authors. Oral and written reports are required.

COURSES IN GERMAN

1-2. Introductory German 6 hours

Exercises in pronunciation, essentials of grammar, and functional vocabulary. Intensive reading from graded texts.

21-22. Intermediate German 6 hours

Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

26. Scientific German 3 hours

An intensive reading course for students majoring in science. This course may be substituted for German 22.

31. Advanced Composition 3 hours

Correct, idiomatic and effective writing in German. Translations are assigned, as well as topics for individual creative writing.

32. Advanced Conversation 3 hours

Systematic and intensive German oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in German and audio-visual aids are used to perfect pronunciation.

35-36. German Literature to the 19th Century 6 hours

A survey of German Literature from its beginnings to the nineteenth century. Readings from the most important authors, oral and written reports are required.

41-42. German Literature of the 19th and 20th Century 6 hours

A survey of German Literature of the nineteenth and twentieth centuries. Readings from representative authors. Oral and written reports are required.

COURSES IN GREEK

1-2. Elements of New Testament Greek 6 hours

A study of the fundamentals of inflection and rules of syntax as found in the Greek of the New Testament.

21-22. The Greek New Testament 6 hours

The course aims to impart a reading knowledge of the Greek New Testament through the reading of some selections from the Gospels and the Acts of the Apostles.

COURSES IN LATIN

1-2. Introductory Latin 6 hours

A course designed for students who have not taken Latin in high school; it covers in one year the matter usually taken in two years of high school Latin.

3-4. Intermediate Latin 6 hours

A course designed for students who present two years of Latin from high school, or the equivalent. Selections from Caesar's Gallic Wars, the Catilinarian Orations of Cicero, and Virgil's Aeneid form the subject matter of the course.

116 SAINT JOSEPH'S COLLEGE

5. Cicero 3 hours

Pro Archia and selections from the De Amicitia, De Senectute, and the Letters of Cicero.

Prerequisite: Latin 3-4 or equivalent.

6. Horace 3 hours

Selected odes, epodes, and satires.

7-8. Latin Composition I 2 hours

Graded exercises for translating from English to Latin. This course is complementary to Latin 5 and 6.

15. Readings in Ecclesiastical Latin 3 hours

The Catechismus Catholicus of Cardinal Gasparri is used as the means of developing fluency and comprehension.

21. Livy 3 hours

Selections from Livy's History of Rome.

22. Latin Hymns and Ecclesiastical Writers 3 hours

A study of selected hymns from the Roman Breviary and of texts commonly used in the major seminary.

25-26. Latin Composition II 2 hours

Advanced exercises in continuous prose composition.

COURSES IN SPANISH

1-2. Introductory Spanish 6 hours

Drill in the basic grammatical rules. Simultaneous development of the four ends of language study: reading, aural comprehension, writing and speaking.

21-22. Intermediate Spanish 6 hours

Review of basic grammatical forms, plus advanced grammar and idiomatic usage. Reading of selected texts and written reports are required.

31. Advanced Composition 3 hours

Correct, idiomatic and effective writing in Spanish. Translations are assigned as well as topics for individual creative writing.

32. Advanced Conversation 3 hours

Systematic and intensive Spanish oral practice. Topics are assigned for individual presentation and group discussion. The class

is conducted in Spanish, and audio-visual aids are used to perfect pronunciation and inflection.

35-36. Spanish Literature 6 hours

Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports are required.

41-42. Spanish-American Literature 6 hours

A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from various countries.

DEPARTMENT OF MATHEMATICS

The departmental courses in mathematics are designed to help the student attain: 1. An understanding and appreciation of the fundamental methods of deductive reasoning. 2. Certification for teaching mathematics in secondary schools. 3. Adequate preparation for work in graduate or professional schools. 4. Facility in using the tools of mathematics, particularly in the natural sciences and in business.

A comprehensive one-year course of freshman mathematics is offered for students who require it for their special fields — including geology, business, education, sociology, and pre-medical courses, as well as physics, mathematics, chemistry, and engineering. The course provides utilitarian mathematics plus a broad coverage of philosophy of mathematics and of advanced courses dealing with mathematics as a cultural entity.

Departmental Requirements.

1. Mathematics 11, 12, 13, 14 are prerequisites for all upper-level courses, except Mathematics 33 and 38. Furthermore, Mathematics 11, 12 are prerequisites for Mathematics 13, 14.

2. The requirements for a **major** sequence are twenty-four hours in upper-level courses, including the following: Mathematics 31, 33, 34 and 41, all of which are included in the Senior Comprehensive Examination. The requirements for a **minor** sequence are nine hours in upper-level courses including Mathematics 33 and 41.

3. A **group-major** in mathematics-physics comprises a minimum of thirty-six hours in upper-level courses with at least sixteen hours in each field, including the following: Mathematics 31, 34, 41 and Physics 31, 41-42 and 44. No minor sequence is required.

Suggested Program.

1. On the lower level, students majoring in Mathematics and Mathematics-Physics take Program 1. In the freshman year they take Mathematics 11, 12 in the first semester. In the second semester, they take either Mathematics 13, or 13 and 14.

2. Electives and prerequisites to be taken in the sophomore year are the following: Physics 21-22 or 25-26; Mathematics 31-32.

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper-level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN MATHEMATICS**9. Mechanical Drawing 3 hours**

This course deals with the fundamentals of drafting procedure including the care and use of drafting instruments, drawing-board geometry, orthographic projection, technical sketching and perspective drawing. Three two-hour periods each week.

10. Descriptive Geometry 3 hours

This course deals with the orthographic representation of points, lines, and planes and their fundamental geometric relations. Geometric problems are solved on the basis of orthographic projection. Three two-hour periods each week.

Prerequisite: Mathematics 9.

11. Fundamental Mathematics and Algebra 3 hours

Review of elementary algebra, functions, equations, identities, exponents, radicals, logarithms, inequalities, variations, mathematical induction, progression, introduction to theory of equations.

12. Trigonometry and Analytical Geometry 3 hours

Trigonometric functions, solutions of various triangles, formulas and identities, radian measure, trigonometric equations and curves, inverse trigonometric functions and curves, complex numbers. Linear equations, circle, parabola, ellipse, hyperbola, parametric equations, polar coordinates.

13. Calculus I **3 hours**

Limits, derivatives, differentials, integrals of algebraic forms, constant of integration and definite integral. Offered during the first eight weeks of the second semester.

14. Calculus II **3 hours**

Derivatives, differentials, and integrals of transcendentals with applications to parametric equations and polar equations; curvature, Theorem of Mean Value, reduction formulas. Offered during the second eight weeks of the second semester.

31. Calculus III **3 hours**

An extension of Mathematics 13 and 14 leading to a consideration of the following: series, expansion of functions, ordinary differential equations, hyperbolic functions, partial differentiation and applications, and multiple integrals.

Prerequisites: Mathematics 13 and 14.

32. Advanced Calculus **3 hours**

This course is intended for those students who to some extent have mastered the manipulative skills of the differential and integral calculus. It introduces the student to theoretical questions which may lead him to further study. It includes more rigorous treatment of series, partial differentiation, implicit functions, differential equations, and definite integrals; also an introduction to beta and gamma functions.

Prerequisites: Mathematics 13, 14, and 31.

33. College Geometry **3 hours**

The purpose of this course is to introduce the student to a wide and extensive body of synthetic geometry. It concerns the geometry of the triangle and the circle and requires only the known Euclidian concepts. College geometry is recommended to prospective teachers in secondary schools.

34. Differential Equations **3 hours**

This course presents differential equations from a practical viewpoint, combining the formal exercises of integrating the various standard types of differential equations with the setting-up of equations from problems of natural science.

Prerequisites: Mathematics 11, 12, 13, 14 and preferably 31.

37. Theory of Numbers **3 hours**

This course treats the elementary properties of integers, the

120 SAINT JOSEPH'S COLLEGE

definition and properties of divisibility, Euclid's Algorithm, Diophantine equations, prime numbers, aliquot parts, congruences, and quadratic residues. (Offered in 1964-65).

Prerequisite: Mathematics 11, 12, 13, 14.

38. Probability and Statistics 3 hours

From this course the student should gain: an understanding of the kinds of regularity that occur amid random fluctuations; experience in associating probabilistic mathematical models to interpret physical phenomena and to predict, with appropriate measures of uncertainty, the outcomes of related experience.

40. Introduction to Modern Algebra 3 hours

This course introduces the basic concepts: sets, mappings, operations and relations. The development of these concepts is attained by study of the following algebraic systems: Complex Number System, Integral Domains, Groups, Rings, Fields, Polynomial Domains and Boolean Algebra. Special emphasis is placed on the logical development of the number system, starting with integers.

41. Theory of Equations 3 hours

In this course students are guided through the proofs of the important general theorems in the elementary theory of algebraic equations. The methods of deductive reasoning are used abundantly, imparting to the student a realization of the need of clarity, exactness, and logical discourse. The concepts of ring and field are introduced, and with these as a basis, complex numbers, polynomials and their roots, resultants, discriminants, and symmetric functions are treated.

Prerequisite: Mathematics 11, 12, 13, 14.

42. History of Mathematics 2 hours

History of the development of the various fields of mathematics from the earliest times to the present day. Open only to students majoring in mathematics. (Offered in 1962-63).

44. Determinants and Matrices 3 hours

An introduction to the theory of vector spaces; matrices, their types and properties and the elementary applications of these concepts. (Offered in 1963-64).

Prerequisite: Mathematics 11, 12, 13, 14.

51. Honors Seminar in Mathematics 3 hours

DEPARTMENT OF MUSIC

The aim of the department of music is to further the intellectual, aesthetic, and religious development of the student through the medium of music theory and practice, secular and religious. To achieve this aim the department offers a Bachelor of Arts degree with a major in Piano, Organ, or Liturgical Music; a Certificate in Liturgical Music; courses in music instruction open to all students. **Departmental Requirements.**

- 1. Music 11, 12, 21, and 22 are requisites for all upper-level courses in music theory. Students majoring in liturgical music may omit Music 22.
- 2. For a major in Piano or Organ the following courses are required: 8 hours of applied music (keyboard) on the lower level; 24 hours of music on the upper level, including 8 hours of applied music, Music 30, 33, 34, 40, 43, and 50.
- 3. For a major in Liturgical Music the following courses are required: 24 upper-level hours in Liturgical Music and Liturgy selected with the approval of the chairman of the department and including LM301, LM321, LM420, LM440, and LM460.
- 4. For the Certificate in Liturgical Music the departmental requirements are identical with those of the major in Liturgical Music. No further academic work is required.
- 5. Every student majoring in music is required to participate in a major ensemble throughout his student training. In the case of a student majoring in Liturgical Music this must be a choral ensemble.

Suggested Programs.

PIANO AND ORGAN MAJORS

FRESHMAN YEAR				SOPHOMORE YEAR			
English	3-4	3	3	Philosophy	21		3
History	11-12	3	3	Religion	21	3	
Humanities	25, 27	2	2	Science		3-4	3-4
Philosophy	12		3	Social Science elective		3	
Religion	11	3		Music	21-22	4	4
Music	11-12	4	4	Music	27-28 (Piano/Organ)	2	2
Music	17-18 (Piano)	2	2	Music	33, 34, or 43		3
Music	20	1	1	Music	20	1	1
		18	18			16-17	16-17

122 SAINT JOSEPH'S COLLEGE

JUNIOR YEAR			
Humanities 23-24	.....	2	2
Philosophy, u.l.	.....	3	
Religion, u.l.	.....	3	
Speech 15	.....	2	
Music 30	.....	3	
Music 33, 34 or 43	.....		3
Music 37-38 (Piano/Organ)	.....	2	2
Music 20	.....	1	1
Academic electives	.....	3	6
		—	—
		16	17

SENIOR YEAR			
Philosophy, u.l.	.....		3
Religion, u.l.	.....	3	
Music 33, 34 or 43	.....		3
Music 40	.....	3	
Music 47-48 (Piano/Organ)	.....	2	2
Music 50	.....		1
Music 20	.....	1	1
Academic electives	.....	9	9
		—	—
		18	19

LITURGICAL MUSIC MAJORS

FRESHMAN YEAR			
English 3-4	.....	3	3
History 11-12	.....	3	3
Humanities 25, 27	.....	2	2
Philosophy 12	.....		3
Religion 11	.....	3	
LM15.1-LM15.2	.....	1	1
Music 11-12	.....	4	4
Music 15-16 (Piano)	.....	1	1
Music 20	.....	1	1
		—	—
		18	18

SOPHOMORE YEAR			
Humanities 23-24	.....	2	2
Philosophy 21	.....		3
Religion 21	.....	3	
Social Science elective	.....	3	
Music 21-22	.....	4	4
Music 25-26 (Organ)	.....	1	1
Music 33 or 34	.....		3
Music 20	.....	1	1
Academic electives	.....	3	3
		—	—
		17	17

JUNIOR YEAR			
Philosophy, u.l.	.....		3
Religion, u.l.	.....	3	
Science	.....	3-4	3-4
LM301	.....	3	
Music 33 or 34	.....		3
Music 36, 45 (Organ)	.....	1	1
Music 20	.....	1	1
Academic electives	.....	6	6
		—	—
		17-18	17-18

SENIOR YEAR (first semester)			
Philosophy, u.l.	.....		3
Religion, u.l.	.....		3
Speech 15	.....		2
Music 50	.....		1
Music 20	.....		1
Academic electives	.....		9
			—
			19

SUMMER SESSION after Sophomore Year:

LM321	.....	2
LM460	.....	2
Music 35 (Organ)	.....	2
		—
		6

SUMMER SESSION after Junior Year:

LM420	.....	3
LM440	.....	2
Music 46 (Organ)	.....	1
		—
		6

COURSES IN MUSIC THEORY AND HISTORY

11. Theory I 4 hours

An integrated course in music theory, including harmony, eighteenth-century counterpoint, sight singing, dictation, and keyboard harmony. Melody-writing. Simple contrapuntal exercises. Phrase and period structure. The two-voice framework. Diatonic sight singing exercises. Rhythmic and melodic dictation. Aural recognition of intervals. Playing of melodies at the piano, elementary improvisation, simple transposition, and the playing of cadences in all major and minor keys.

12. Theory II 4 hours

A continuation of Theory I. Horizontal aspects of three- and four-part vocal and instrumental harmony. The two- and three-part Inventions of Bach for analysis and as a stylistic basis for creative writing. The contrapuntal devices of imitation, sequence, fragmentation, and inversion. Modulation to closely related keys. Harmonic dictation. Aural recognition of non-harmonic tones. Harmonic sequence at the piano, improvisation, modulation, and clef-reading.

21. Theory III 4 hours

A continuation of Theory II. Modulation to distant keys. Analysis of larger forms, particularly sonata-allegro. Chromatic harmony. Tertian structures beyond the seventh chord and variously altered chords. Dictation and sight singing of modal melodies. Realization of the figured bass, open-styled Bach Chorales, and the playing of art-song melodies with improvised accompaniment.

22. Theory IV 4 hours

A continuation of Theory III. Fugue and the elaborate contrapuntal devices. Advanced chromatic harmony. Non-tertian chord structures. Contemporary music theory and systems of analysis. Appropriate, advanced exercises in sight singing, dictation, and keyboard harmony.

30. Counterpoint I 3 hours

A course in sixteenth-century counterpoint to three parts.

Prerequisite: Music 22.

33. Music History and Literature I 3 hours

A survey of music history and literature from Antiquity to 1750.

Prerequisite: Humanities 25.

124 SAINT JOSEPH'S COLLEGE

34. Music History and Literature II 3 hours

A survey of music history and literature from the beginning of the Classical Period through the Impressionistic Period.

Prerequisite: Humanities 25.

40. Form and Analysis 3 hours

An extended and concentrated study of larger musical forms, including selected works from the *Well Tempered Clavier* by Bach, the keyboard Sonatas by Beethoven, and the orchestral, string quartet, and keyboard literature from the Classical Period through the Contemporary Period.

Prerequisite: Humanities 25.

41. Orchestration 3 hours

A theoretical and practical study of the ranges, capabilities and combinations of orchestral instruments, with special emphasis on practical orchestration for high school bands and orchestras.

Prerequisite: Music 22.

(Available by private instruction, to be arranged with the instructor.)

42. Composition 3 hours

Prerequisite: Music 22.

(Available by private instruction, to be arranged with the instructor.)

43. Contemporary Music History and Literature 3 hours

A survey of twentieth-century music history and literature.

Prerequisite: Humanities 25.

44. Orchestra and Band Conducting 2 hours

The principles of conducting instrumental organizations. Baton technique. Rehearsal techniques. Actual conducting experience under critical supervision.

COURSES IN APPLIED MUSIC*

(One credit hour per half hour lesson per week and at least three hours of practice.)

15, 16; 25, 26; 35, 36; 45, 46 — minor performance area — variable credit.

* Syllabi for applied music courses are available at the office of the chairman of the department of music.

17, 18; 27, 28; 37, 38; 47, 48 — major performance area — variable credit. (Keyboard only)

50. Senior Recital 1 hour

20. Band or Glee Club 1 hour per semester

(Credit is available only to students majoring in music. No more than one hour per semester may be counted toward the fulfillment of graduation requirements.)

COURSES IN LITURGICAL MUSIC THEORY AND IN LITURGY**

LM15. Elementary Gregorian Chant 2 hours

Elementary notions, selfeggio, names and basic interpretation of neums. Rhythm of the chant. Principal and secondary accents. Psalmody. Hymnody. Practical application of the theory.

(May be taken as two one-semester courses, LM15.1 and LM15.2.)

***LM301. Counterpoint I 3 hours

A course in sixteenth-century counterpoint to three parts.

Prerequisite: Music 22.

LM321. Advanced Gregorian Chant 2 hours

Practical rules of interpretation, technique and style according to the principles of Solesmes. Detailed rhythmic and dynamic analysis. Modality. Elements of chironomy. Practical application of the theory.

(May be taken as two one-semester courses, LM321.1 and LM321.2.)

LM400. Gregorian Chant: Form and Analysis 3 hours

A thorough study of Gregorian melodies, melodic styles (syllabic, neumatic, melismatic), formulas, and whole compositions from the viewpoint of form. Structural analysis of psalms and other psalmodic chants.

Prerequisite: LM321.

LM410. Gregorian Accompaniment 2 hours

Study and composing of modal accompaniment of the chant.

Prerequisite: Music 22.

** The following courses, specifically in Liturgical Music, are available during the regular school terms as well as during the summer session: LM15, LM301, LM321, LM440. Other such courses are available during the summer session only.

*** Courses numbered over 300 are upper level courses.

LM420. Gregorian Chant: Chironomy and Paleography 3 hours

Basic principles of conducting the chant; detailed interpretative analysis and practical conducting of the chant under critical supervision. General notions of Gregorian Paleography. Detailed study of the St. Gall notation. Practical interpretation of the chant in the light of paleographic evidence.

Prerequisite: LM321.

LM430. Polyphonic Form and Analysis 2 hours

Elemental, stylistic, and formal consideration of the principal forms employed by the great fifteenth- and sixteenth-century polyphonists, with special emphasis on Palestrinian forms.

Prerequisite: LM301.

LM440. Choral Conducting 2 hours

The principles of conducting choral ensembles. Rehearsal techniques. Actual conducting experience under critical supervision.

LM450. History of Liturgical Music 2 hours

A survey of the history of church music from the beginning to the present time.

LM460. Theology of the Liturgy 2 hours

History of salvation; liturgical spirituality; elements of the liturgy.

COURSES IN LITURGICAL APPLIED MUSIC

Cf. Courses in applied music.

DEPARTMENT OF PHILOSOPHY

The Department of Philosophy is one of the central reasons for the existence of a Catholic college as such. It is the aim of this department to offer to all students a well-coordinated program of courses that cover such basic areas of inquiry as man, human knowledge, God, and the universe. The emphasis throughout is placed on man's inherent capacities to discover for himself the fundamental truths relating to these areas of inquiry within the context of a total Christian wisdom. An attempt is made to secure a balance between courses of a doctrinal and those of an historical nature. Six semester hours of philosophy on the lower level and six on the upper level are required of all students. Courses 12, 21, and 31 are obligatory.

Departmental Requirements.

1. Philosophy 12 and 21 are prerequisites for all upper level courses in philosophy.

2. The requirements for a major sequence in philosophy are twenty-four hours in upper level courses, including Philosophy 31, 32, 33, 38 and six hours from Philosophy 41, 42, 43, 44. The requirements for a minor sequence are any twelve hours in upper level courses including Philosophy 31.

Suggested Program.

1. On the lower level students majoring in philosophy take Program II. Electives recommended in the freshman year are: introductory courses in a foreign language.

2. Electives recommended in the sophomore year are: continuation of courses in a foreign language, and courses in the general area of Social Studies

3. On the upper level, students should see their faculty advisor prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43, and 44.

COURSES IN PHILOSOPHY

12. Logic 3 hours

This course aims to develop the sense of correct thinking by a study of concepts and terms, judgments and propositions, immediate inference, deduction, scientific method, and the sources of fallacies.

21. Philosophy of Man 3 hours

The Thomistic study of man's composite nature, of the principles of sensory and intellectual knowledge and desire, and of the spirituality, origin, and immortality of soul, with an emphasis on the unity of the human person.

31. Metaphysics 3 hours

The study of being in its most fundamental aspects. This branch of systematic philosophy deals with the Thomistic concepts of act and potency, the nature of causality, transcendentals, and predicaments, in order to furnish the student with the broad and basic ideas essential to the synthetic grasp of reality.

32. Natural Theology 3 hours

The study of the proofs of the existence of God in their historic

128 SAINT JOSEPH'S COLLEGE

background together with the modern criticism. The doctrine of analogy receives special emphasis.

Prerequisite: Philosophy 31.

33. Cosmology 3 hours

This course integrates present-day scientific discovery with the basic Thomistic principles. The problem of finality, the laws of nature, and space and time are studied in the light of traditional principles.

36. Ethics 3 hours

A study of the end of man, human acts, and the relation of human acts to that end. Particular stress is laid on the principles of right reason in the light of Thomistic Psychology and Metaphysics. Special attention is given to the study of the Natural Law and the virtues as they affect the life of man both as an individual and as a member of society.

38. Epistemology 3 hours

A study of knowledge in its metaphysical implications. A consideration of being as intelligible, and of intellect as related to reality. This course consists principally in reflections upon the nature of knowledge, critical judgments concerning the sources of knowledge, and an ultimate evaluation of knowledge.

Prerequisite: Philosophy 31.

41. History of Ancient Philosophy 3 hours

A course in early philosophy, especially of the Greek thinkers. The progress of philosophic thought is presented by means of sources studied in their background, class discussions, and written reviews.

42. History of Medieval Philosophy 3 hours

The study of philosophic thought from the patristic age to the scholastic decline. Scholasticism is examined in the light of the present-day need for a perennial philosophy.

43. History of Modern Philosophy 3 hours

A study of modern thinkers against the background of the Renaissance, the Reformation and the rise of science. Special attention is given to the impact upon the contemporary world of such men as Descartes, Spinoza, Leibniz, Bacon, Newton, Locke, Hume, Rousseau, Kant, Hegel, Mill, and Spencer.

44. Contemporary Philosophy 3 hours

A critical evaluation of Bergson and the philosophy of the spirit, Husserl and the phenomenological method, Neo-positivism, the Analytical Philosophers, Dialectical Materialism, Pragmatism, the Metaphysical Renaissance, and Extentialism.

46. Philosophy of Science 3 hours

For the more advanced student of both philosophy and science this course seeks solid foundations for scientific coordination in the basic principles of Thomism. Extensive readings in the history of science and of philosophy are required.

Prerequisite: Philosophy 33.

51. Honors Seminar in Philosophy 3 hours

DEPARTMENT OF PHYSICAL EDUCATION

The Department of Physical Education is designed to offer the student a knowledge of physical education in its theoretical and practical phases. Courses in the history and principles of physical education present the background upon which the profession developed and the standards which must be maintained. Other courses are offered to acquaint the student with the professional skills, techniques, and competencies that will be needed in the exercise of teaching and/or coaching duties.

Physical education majors are prepared to enter the coaching field, the teaching of health and physical education or to work in recreational activities and centers.

Students who plan to qualify for the teacher's certificate in Health, and Physical Education should consult the Director of Student Teaching.

Departmental Requirements.

1. There are no lower level prerequisites for upper level courses in physical education.

2. The requirements for a **major** sequence in physical education comprise twenty-four hours in upper level courses, including the following: Physical Education 34, 35 (or Education 37, 46). The requirements for a **minor** sequence are any twelve hours in upper level courses.

3. Majors in Physical Education satisfy their general education requirements in Science by a sequence consisting of Biology 11 and 22 or Biology 12 and 22.

Participation Requirements.

1. All Physical Education majors must earn a total of 12 points for graduation.
2. These points may be accumulated through varsity participation, or as a student manager, student trainer, or intramural assistant.
3. The point value would be as follows: 2 for participation in a varsity sport; 4 for lettering in a varsity sport; 3 for each sport season's work as a trainer, manager, or intramural assistant; 5 for being a student coach in a sport.
4. Any student entering Saint Joseph's from a junior college or transferring here from another institution, will be given equivalent credit for his previous participation.
5. Freshmen participation in the intercollegiate program will not count toward this graduation requirement.

Suggested Program.

1. On the lower level students majoring in physical education take Program II. Electives recommended in the freshman year are: Physical Education 11, 16, 25.
2. Electives recommended for the sophomore year are the following: Biology 11, 22; Education 30, 31; Physical Education 22, 26.
3. On the upper level, students should see their faculty adviser prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.
4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN PHYSICAL EDUCATION

11. History and Principles of Physical Education 3 hours

A basic course presenting a critical evaluation of social, economic, and political forces associated with the development of physical education throughout its history, and secondly, introducing the student to the fundamental facts and principles associated with Motivation, Program, Instruction, Supervision, Administration, and Evaluation in the field of physical education.

16. First Aid and Safety Education 2 hours

A consideration of the essential elements in the theory and practice of safety in the school, in the home, in occupational activities and on the highway. Instruction in the administration of first aid and civil defense.

22. Gymnastics and Rhythmic Exercises 2 hours

Elements of individual and natural gymnastics; corrective exercises, calisthenics, class drill, tumbling and apparatus; fundamentals of rhythm as applied to games, plays, and songs. Two lectures and one laboratory period per week.

25. Personal and Community Health 3 hours

Personal health and the prevention of disease in the family and community; relation of sanitation and disease control to community health; communicable diseases. Three lecture periods each week.

26. Techniques of Minor Sports 2 hours

An analysis of such sports as handball, volleyball, softball, tennis, badminton, ping pong, and bowling. Attention is given to selection and care of equipment. Principles of selection and evaluation of teaching methods are developed.

30. Public Recreation and Camp Activities 3 hours

Theory and practice of playground supervision and camp leadership. Techniques proper to arts and crafts, aquatics, outdoor recreational activities, nature study, and special programs are included. Observation of camp facilities and recreational programs.

32. Coaching of Baseball 2 hours

Theory and principle of the fundamentals of baseball. A study of the history, rules, strategy, organization of practice, individual and team conditioning, administration of program and officiating. Two lectures and one laboratory period per week. (Juniors and Seniors only)

34. Kinesiology 3 hours

A study of the origin, insertion, and action of the muscles in the human body as they relate to skeletal movement in sport skills.

35. Measurements in Health and Physical Education 3 hours

A study of measurement and evaluation as applied to health, physical education, and recreation. Principles of test construction, types and characteristics of individual and group tests, application of such tests to school problems, and evaluation of results. A study of statistics as they apply to evaluation of results of measurement.

38. Principles and Techniques of Physical Therapy 2 hours

This course is designed to study the various special fields of physical rehabilitation with special emphasis upon the use of such agents as exercise, massage, heat, water, electricity and various forms

132 SAINT JOSEPH'S COLLEGE

of radiation. The course emphasizes the correct use of personal and field equipment, support procedures and therapeutic aids. Laboratory work includes practical techniques in the clinical use of supporting apparatus and physiotherapy. Two lectures; one laboratory period per week.

41. Activities for Elementary Grades 2 hours

An analysis of dramatic play, games, rhythms, self-testing activities, playground procedures, and safety measures used in a modern program in the area. Principles of selection and evaluation of activities and teaching methods are developed.

(Open to freshmen and sophomores.)

42. Coaching of Track and Field Events 2 hours

Theories and principles of the fundamentals involved in track and field events. A study of the rules, history, organization of practice, individual and team conditioning, administration of program, facility layout, program of maintenance, and officiating. Two lectures and one laboratory period each week. (Juniors and Seniors only)

43. Coaching of Football 3 hours

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of attack and defense, organization of practice, individual and team conditioning, officiating and other coaching problems involved in this sport. Three lectures and one laboratory period per week. (Juniors and Seniors only)

45. Organization and Administration of Health Education 3 hours

The principles, materials and problems of health education. Relation of the school health program to other agencies. Instruction in the proper use of federal, state, and commercial publications and aids to health education. A study of health, examinations, reports, remedial measures, and state health regulations.

46. The Organization and Administration of the Physical Education Program 3 hours

A study of the foundations and principles of program, of instruction and supervision. Included is a study of the National Association of State High School Athletic Associations with an emphasis upon rules of eligibility. Consideration is given to the grouping of students, records of participation and progress, management of facilities, finance, and public relations.

48. Coaching of Basketball 3 hours

Theory and practice of the fundamentals of basketball. A study

of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport. Three lectures and one laboratory period per week. (Juniors and Seniors only)

50. Pro Seminar 3 hours

An introduction, by means of directed reading and individual projects, to the research methods applied to Health, Physical Education, and Recreation. A series of lectures, discussions and critiques on physical education and related areas.

51. Honors Seminar in Physical Education 3 hours

DEPARTMENT OF PHYSICS

The courses in the Department of Physics are designed: 1. To impart an understanding of basic principles and through classroom discussion and supervised laboratory work to inculcate the habit of precise observation of phenomena. 2. To prepare the student for the teaching of physics in secondary schools.

Laboratory fees: Physics 21, 22, 24, 25, and 26, each \$10.00. Physics 31 and 46, each \$15.00.

Departmental Requirements.

1. Physics 21-22 or 24-25-26 are prerequisites for all upper level courses in physics.

2. No major sequence is offered in physics. (For group major in Mathematics-Physics see the Department of Mathematics.) The requirements for a minor sequence in physics are twelve hours in upper level courses including Physics 31 and 41 or 42.

COURSES IN PHYSICS

21-22. College Physics 8 hours

A course introducing the student to the fundamental principles of mechanics, heat, sound, light, and electricity. Three lectures and one three-hour laboratory period each week.

Prerequisites: Mathematics 11, 12.

24. Mechanics, Thermometry 4 hours

This course is directed toward equipping the student with the scientific approach and knowledge of fundamental laws in Physics, which in turn are needed for his further development and research in this science, and for building a strong foundation for engineering. In particular, it deals with the basic concepts and laws of vectors, equilibrium, rectilinear and rotational motion, Newton's laws, work

and energy, impulse and momentum, elasticity, harmonic motion, hydrostatics, hydrodynamics, temperature, quantity of heat and transfer of heat. Three lectures and one three-hour laboratory period each week.

Prerequisite: Mathematics 11 and 12.

25. Thermodynamics: Sound, Light 4 hours

This course is a continuation of Physics 24. It deals with the first and second laws of thermo-dynamics, thermal properties of solids, liquids, and gases; wave motion, vibrating bodies, acoustical phenomenon; nature and propagation of light; reflection and refraction, and polarization. Three lectures and one three-hour laboratory period each week.

Prerequisite: Physics 24 and Mathematics 13.

26. Electricity and Laws of Atomic Structure covers 4 hours

This course is a continuation of Physics 25, and covers the fundamentals of the electric field, potential capacitance, DC circuits, electrochemistry and thermoelectricity; the magnetic field, DC instruments, induced electromotive force; inductance and capacitance; alternating currents, electronics; optical spectra and atomic structure; and nuclear reactions. Three lectures and one three-hour laboratory period each week.

Prerequisites: Physics 25 and Mathematics 13 and 14.

31. Electric and Magnetic Circuits. 3 hours

Measurements of resistance, electromotive force, potentials, current, self and mutual induction, magnetic fields, Ohm's law, Kirchhoff's law, networks, bridge, ballistic galvanometer. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 24-25-26.

41-42. Modern Physics 6 hours

A two semester course in general physics with emphasis on recent developments, wave motion, electromagnetic radiation, kinetic theory of gases, specific heats and heat of radiation, photoelectric effect, x-rays, Bohr theory of spectra, quantum mechanics, nuclear physics, cosmic rays, and relativity. Three lectures each week.

Prerequisites: Physics 21-22 and Mathematics 11, 12, 13, 14.

43. Statics 3 hours

This course treats the fundamental principles of statics; forces, movements of force, couples, systems of force, addition and subtraction of forces, equilibrium of systems, stresses and strains, moments of inertia. Three lectures each week.

Prerequisites: Physics 24-25-26.

44. Dynamics**3 hours**

A lecture course dealing with rectilinear and curvilinear translation, rotation, plane motion, motion of particles and systems of particles, force, mass and acceleration, work and energy, impulse and momentum and periodic motion.

Prerequisites: Physics 24-25-26.

46. Electronics**3 hours**

A study of the principles of the vacuum tube and the transistor and their functions in electronic circuits. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 21-22 or 24-25-26.

51. Honors Seminar in Physics**3 hours**

DEPARTMENT OF POLITICAL SCIENCE

The Political Science program provides the student with an opportunity to gain an understanding of the role of government in modern society. An acquaintance with basic problems posed both by and for modern government is indispensable to a liberal arts education and is prerequisite for responsible professional and civic judgment today.

Political Science is a tried preparation for law, journalism and practical political participation. At the graduate level it is also a recognized profession for government career administration or research and high school or college teaching.

Departmental Requirements.

1. There are no lower level prerequisites for upper level courses in political science.

2. The requirements for a **major** sequence in political science are twenty-four hours in upper level courses, including the following: Political Science 35 (unless the student has taken Political Science 22), 41 and 42. The requirements for a **minor** sequence are any twelve hours in upper level courses.

Suggested Program.

1. On the lower level students majoring in political science take Program II. Electives recommended in the freshman year are an additional two hour course in science the first semester, Political Science 21, 22 or a foreign language.

2. Electives recommended for the sophomore year are the following: History 23-24, Economics 21-22, a foreign language.

3. History 41, History of England to 1603, may be counted towards the twenty-four hours required for a major in Political Science.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN POLITICAL SCIENCE

21. Introduction to Political Science 3 hours

The student is introduced to the basic concepts of Political Science with emphasis on their ethical aspect.

22. American Government 3 hours

A study of U.S., state and local government structures, functions and current problems.

33. Political Parties and Pressure Groups 3 hours

The democratic process in the U.S. is studied as a function of the two major parties and the major economic and social pressure groups.

34. Comparative Government 3 hours

The constitutional forms and methods utilized by four major foreign powers — Great Britain, France, Germany, and the U.S.S.R. Their elements of strength and weakness are compared with the U.S. system.

35. Introduction to Constitutional Law 3 hours

An analysis of fundamental U.S. Supreme Court decisions affording the student, particularly the prospective law student, a first-hand experience in reading law.

37. Government and Business 3 hours

A study of the foundations of governmental intervention in business and the activities in which it currently engages in relation to business with emphasis on federal legislation as applied to social security, labor relations and the maintenance of competition as expressed in the pertinent Supreme Court decisions. (Same as Bus. Ad. and Econ. 37.)

40. Public Finance 3 hours

A study of the principles of finance in government. Topics to be considered include public revenues and expenditures, taxation, public

debt, governmental budgeting and fiscal policy. (Same as Economics 40.)

41. Ancient and Medieval Political Philosophy 3 hours

An introduction to the perennial problems of social life: justice, law, the common good, as evaluated by Plato, Aristotle, St. Thomas Aquinas and others.

42. Modern Political Philosophy 3 hours

A history of later political thought as represented in the currents of rationalism, positivism, the American founding fathers and Christian pluralists.

43. International Law and Organization 3 hours

An exploration of the possibilities of control of international conflicts through law and organization. Analysis of prerequisites for political integration of the world. Evolution of international law. The League of Nations and the United Nations. Regional associations as possible transitional forms to supranational organizations. Disarmament.

44. International Relations 3 hours

The problems of international relations as exemplified by the U.S. in its role as a world power since 1900 together with attention to international law. (May be counted towards a major in History.)

50. Pro-seminar in Political Science 3 hours

Directed individual readings of original, major writings with bibliography in the field.

51. Honors Seminar in Political Science 3 hours

DEPARTMENT OF PSYCHOLOGY

The Department of Psychology has a threefold purpose: to convey to the student an understanding and appreciation of the basic concepts and the precise methods used by this adolescent science; to give to the student a better understanding of himself and his fellow-men; to qualify him for entrance into graduate schools in the field.

Departmental Requirements.

1. Biology 22 and Psychology 10 are prerequisites for all upper level courses in psychology.

2. No major sequence is offered in psychology. The requirements for a minor sequence in psychology are twelve hours in upper level courses.

COURSES IN PSYCHOLOGY

10. General Psychology 3 hours

This course provides a general survey of the whole field of Psychology. Fundamental concepts of physiological, experimental, motivational, analytical, and abnormal, as well as of psychological testing and the psychology of learning are discussed.

21. Philosophical Psychology 3 hours

The Thomistic study of man's composite nature, of the principles of sensory and intellectual knowledge and desire, and of the spirituality, origin, and immortality of soul, with an emphasis on the unity of the human person.

32. Experimental Psychology 4 hours

This course concerns itself with the way the body reacts to different situations. The functioning of the external and internal senses, sense learning and the various physical drives which constitute a part of human motivation are treated in detail. In the laboratory special emphasis is placed on the methods for studying these functions.

Prerequisite: Elementary Statistics (Econ. 38)

33. History of Psychology 3 hours

A survey of psychology against a background of modern and contemporary philosophy. The course comprises perspectives on the beginnings of psychology in Germany and France, the experimentalists in America, psychology of the subject, psychology of the subconscious, Gestalt psychology and phenomenological psychology with some consideration of the existential analysis.

34. Theories of Psychoanalysis 3 hours

The contributions of Freud, Jung, Adler, Allers, Fromm, Horney, Sullivan and others are discussed in detail. Particular emphasis is placed upon application of these theories to the normal person as an aid to better self-knowledge and self-realization.

37. Measurement and Evaluation in Psychology and Education. Educ. 37**38. Elementary Statistics. Econ. 38.****39. Counseling and Guidance. Educ. 39.**

40. Differential Psychology

3 hours

Individual variations with regard to intellectual, emotional and psychic functions together with the causes of these differences form the backbone of this course. The influence of heredity and environment, race, creed, nationality, majority-minority groups upon the individual are treated in detail.

41. Child Psychology. Educ. 41.

43. Mental Hygiene. Educ. 43.

DEPARTMENT OF RELIGION

In a college that is avowedly Catholic and dedicated "toward the spread, preservation, clarification, discovery and defense of truth . . . whether revealed or acquired," the function and importance of courses in Religion are obvious. Accordingly, six semester hours on the lower level and six on the upper level are obligatory for all Catholic Students. Included must be courses 11, 21, and two of the following: 31, 43, and 44. Non-Catholic students are required to take Philosophy 36, Ethics, in place of religion requirements.

Departmental Requirements.

1. There are no **prerequisites** for upper level courses in Religion, but the courses are taken normally in sequence.

2. Those wishing to **major** in Religion are referred to the Department of Theology. The requirements for a **minor** sequence are any twelve hours in upper level courses.

3. Students wishing to qualify for admission to a Major Theological Seminary after the sophomore year can obtain information on optional programs from the office of the Academic Dean.

COURSES IN RELIGION

11. The Sacred Liturgy

3 hours

This course is presented in the light of the current restoration of the worship rendered to God by the Mystical Body of Christ in the entirety of its Head and members, with particular emphasis on the meaning of the ceremonies of the Roman Rite, the role of the layman in the Mass and the Sacraments, and the proper and fruitful manner of participating therein.

21. The Sacred Scriptures

3 hours

In this course the student reads the major portion of the Bible. The scheduled readings are supplemented by lectures and dis-

140 SAINT JOSEPH'S COLLEGE

cussions on related topics, such as their historical background, literary form, doctrinal significance, literary qualities, continuity, interpretation, etc.

31. God and Creation 3 hours

Revealed truth as defined in the dogmas of the Church is presented in a systematic manner under the headings of the One God, the divine Trinity, Creation and Providence.

41. The Old Testament 3 hours

This course studies the history of the chosen people of God as a providential preparation for the mission of Christ, supplemented by copious readings from the historical, prophetic and sapiential books of the Old Testament.

43. Christian Morality 3 hours

This course is a study of fundamental moral principles and of the Christian virtues. It treats the end of man, human acts, law, conscience and virtue in general, with special emphasis on the practical application of these truths to modern problems, individual and social.

44. Christology 3 hours

This course considers the truths of divine Revelation as defined by the Church in relation to the central mystery of Redemption. It studies the Fall of Man, the Incarnation and Redemption, the Church, the sacramental system, and Mariology.

THE DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers both a major and a minor sequence each intended to train the student in scientific attitudes toward human behavior and social interaction, but allowing for differences in both academic and professional goals. Lectures, exercises and projects are designed to observe and analyze social realities rather than to evaluate or control them.

Majors in Sociology have found such training widely welcomed in applicants to graduate school, schools of law, social work, teaching and business, as well as the related Social Science advanced degrees. Majors and minors find it an aid in entering industrial and personnel management in-training programs, community and industrial counseling organizations, and many other types of careers where social science awareness is important.

Departmental Requirements

1. Sociology 21 is a prerequisite for upper level courses in Sociology.

2. The requirements for a major sequence in sociology are twenty four hours in upper level courses, including Sociology 31, 38, and 43. Highly recommended for those students who contemplate graduate work is twelve hours in a foreign language.

Suggested Program

1. On the lower level students majoring in sociology take Program II. Electives recommended in the freshman year are the introductory courses in a foreign language.

2. Prerequisites and electives to be taken in the sophomore year include: Sociology 21, Mathematics 11-12, continuation of courses in a foreign language.

3. On the upper level, students should see their faculty adviser prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd-numbered courses are scheduled for the first semester and even-numbered courses for the second.

4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43, and 44; Philosophy 31 and one elective in philosophy.

COURSES IN SOCIOLOGY

21. General Sociology 3 hours

An introduction to the conceptual framework of Sociology and the Scientific approach to social phenomena.

30. Social and Cultural Anthropology 3 hours

An introduction to the science of man, with emphasis placed upon the concept, culture. Through an analysis of culture, anthropology hopes to solve the mysteries of the relations of man to man.

31. Research Methods 3 hours

Empirical analysis and scientific method in the study of human behavior. Principal source of data. Questionnaires and interviewing. Scale analysis. Elements of tabulation and graphing. Elementary statistical procedures.

32. The Individual and Society 3 hours

This course concerns itself with the effects of interaction on the individual. The material will be reviewed from an interactionist framework, with the contention that human behavior and social order are products of communication.

142 SAINT JOSEPH'S COLLEGE

33. Family Sociology 3 hours

An analysis of the family from an institutional and structural framework. Emphasis will be placed on a review of past and current research.

34. The Urban Community 3 hours

The human being in the complexity of the modern city. Community and association ties. Theories of urban growth and development.

35. Sociology of Education 3 hours

The school and society. The school as a social system. Details of current research. (Same as Education 44).

36. Industrial Sociology 3 hours

Industrial organization as a social system. Human values and productivity.

38. Elementary Statistics 3 hours

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measures of location, measures of variation, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis on the interpretation and use of statistical analysis in the social sciences. (Same as Economics 38).

41. Social Stratification 3 hours

The literature of social class and stratification. Principal methodological problems. Current interests in social class analysis. Field problems.

42. Complex Organizational Theory 3 hours

A review of the theories of large scale organizations with particular emphasis on the theories of bureaucracy and other sociological theories.

43. Introduction to Sociological Theory 3 hours

A review of the variety of theories and the assumptions behind them in the origin and development of sociological analysis during the past one hundred years. Special effort is made to develop research designs from the best theories of the past.

45. American Minorities 3 hours

Major institutional forms of minority groups in American Society. Research concerning the causes of prejudice and discrimination.

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| 46. Criminology | 3 hours |
| <p>Crime as a social phenomenon. The incidence, distribution and etiology of criminal behavior. Types of criminals. Changing beliefs and practices in dealing with the criminal.</p> | |
| 49. Pro-Seminar: Sociological Research Design | 3 hours |
| 50. Pro-Seminar: The Individual and the Group | 3 hours |
| 51. Honors Seminar | 3 hours |

DEPARTMENT OF SPEECH

The Speech Department has as its aim the following goals: 1. to instill an understanding and appreciation of oral rhetoric and its function in a liberal education; 2. to develop the student's resources, ability, and facility for the spoken communication of thought and emotion; 3. to prepare students for graduate study in speech; 4. to foster an appreciation of theatre in our culture.

Departmental Requirements.

1. Speech 15 is a prerequisite for all upper-level courses.
2. The requirements for a major sequence in speech are twenty-four hours in upper-level courses so distributed as to include 9 hours in General Survey, 9 hours in Public Address and 6 hours in Theatre. The major in speech is further required to show credit on the lower level in Speech 23 and 24. The requirements for a minor in speech are any twelve hours in upper-level courses. The department urges those who intend solely to minor in speech to select courses designed to complement their major programs study.

Suggested Program.

1. On the lower level students majoring in speech take Program II. Prerequisites and electives recommended in the freshman year are the following: Speech 15, 16.
2. Prerequisites and electives to be taken in the sophomore year include: Speech 23, 24; a foreign language, or other suitable courses.
3. On the upper level, students should see their faculty adviser prior to scheduling their junior and senior courses. They should bear in mind that, ordinarily, odd numbered courses are scheduled for the first semester and even-numbered courses for the second.
4. Catalogue requirements to be fulfilled on the upper level are: two courses from Religion 31, 43 and 44; Philosophy 31 and one elective in philosophy.

COURSES IN SPEECH

15. Fundamentals of Speech 2 hours

The basic course for all students. History of speech education, overcoming stage fright, bodily action and gesture, language for speaking, outlining, types and modes of public address, voice, articulation, and pronunciation, survey of areas in the field of speech. Each student shall deliver between five and eight speeches during the semester.

16. Voice and Articulation 2 hours

Emphasis placed on achieving acceptable and pleasing voice and articulation. Content shall include: physical bases of speech, group reading, individual work, drills and exercises.

23. Forensic Laboratory 1 hour

Applied practice in argumentation. Practice in formal and contest debating. Required of all speech majors.

24. Theatre Laboratory 1 hour

Applied practice in theatre. Participation in all phases of theatre activity and performance. Required of all speech majors.

30. Speech Composition 2 hours

An advanced course stressing the refinements of speech composition, including thesis formation, outlining, research techniques, and the use of exposition, description and narration in oral discourse.

31. Group Discussion 3 hours

The content and methodology of participation and leadership in group problem-solving activities.

32. Play Production 3 hours

A study and application of the technical aspects of play production as they relate to the theatre. Practice in making a prompt book, stage lighting, scene design, set construction, and costuming. Participation in student productions is required.

33. Theatre Appreciation 2 hours

Designed to acquaint the student with the proper synthetic tools for understanding, appreciating, and evaluating theatre in its cultural context. Opportunities to attend professional productions are offered.

34. Oral Interpretation of Literature 3 hours

The development of the student's abilities in reading aloud through exercises in the analysis and communication of the logical content of the printed page. Special attention will be given to a study of literature, prose and poetry, as they affect the understanding and performance of the oral interpreter.

35. Oral Interpretation of the Modern Drama 3 hours

A study of the forms and content of the modern drama (Ibsen to the present day) as they affect the understanding and performance of the oral interpreter.

40. Persuasion 3 hours

Critical evaluation of the major principles and techniques of persuasion as they relate to public address and informal discussion.

43. Elements of Speech Improvement 3 hours

Diagnosing simple speech defects and disorders, nasality, lisping, omissions, additions, substitutions, inversions. Theory of improving simple defects and disorders.

49. American Public Address 3 hours

A biographical study of great American speakers and speeches, impact, relationship, and application to past and present modes of speech, from 1700 to present day.

DEPARTMENT OF THEOLOGY

In addition to the regular courses in Religion, the Department of Theology offers a series of special courses in Theology during the Summer Session. Students who have a bachelor's degree from a recognized Catholic College or University and complete the requirements of the four-summer program (plus a Comprehensive Examination) may receive a B.A. in Theology. Those who do not have a bachelor's degree may qualify for (a) a certificate in Theology, or (b) a B.A. in Theology by fulfilling catalogue requirements. Details of the special program are given in the Summer Session Bulletin.

COURSES IN THEOLOGY

1964 Summer Session

S 51. The New Testament 3 hours

God's definitive entrance into history in His Word. This course develops the principal themes of the New Testament as they are revealed in Christ to the early Christian Community.

146 SAINT JOSEPH'S COLLEGE

S 57. Special Moral Theology 3 hours

Man's response to God's self-revelation in Christ. The Christian life is developed in view of the individual's personal response to God's redemptive love, and its impact in terms of man's function in the building up of a Christ-centered society.

1965 Summer Session

S 53. Incarnation and Redemption 3 hours

The mystery of God's self-revelation. This course studies the One God as known by reason and revelation; the Divine Trinity; Creation and Providence of God.

S 53. Incarnation and Redemption 3 hours

The fulfillment of God's self-revelation and salvific plan in Christ. These doctrines are studied in the light of Scripture as clarified by the historic decisions of the Church and the development of these truths in the teaching of the Fathers.

1966 Summer Sssion

S 54. Doctrine of the Fathers 3 hours

The proclamation of the good news of salvation from the close of the Apostolic Age to c. 800 A.D. This course gives special emphasis to the basic themes of theology as developed in the principal Fathers of the East and West.

S 55. The Sacramental-Sacrificial Church 3 hours

The Church continuously makes present God's salvific word and act. This course studies Christ, the primordial sacrament, as He continues His own salvific cult in and through His sacramental Church.

1967 Summer Session

S 50. The Old Testament 3 hours

God's initial entrance into history by word and event. This course studies the history of the chosen people of God as a providential preparation for the mission of Christ.

S 56. Doctrine of the Theologians 3 hours

God's salvific plan under theological inquiry after the Age of the Fathers. This course gives special emphasis to the basic themes of theology as developed in Saint Thomas Aquinas, the Scholastics and Modern Theologians.

APPENDIX I

REGISTER OF STUDENTS, 1963-64

ABENDROTH, James E.	Tipton, Indiana
ABENDROTH, Teresa R.	Kokomo, Indiana
ABRAHAM, John A.	Des Plaines, Illinois
ADAM, Jeffrey K.	Burlington, Wisconsin
ADAMS, Theodore V.	Mobile, Alabama
ADAMY, Michael J.	Detroit, Michigan
AHLEMEIR, Shirley A.	Rensselaer, Indiana
ALBERS, Jack H.	Minster, Ohio
ALDRICH, Stephen C.	Philadelphia, Pennsylvania
ALIG, Howard M.	Cedar Grove, Indiana
ALIG, William C.	Cedar Grove, Indiana
ALLEN Joseph A.	Ann Arbor, Michigan
ALVAREZ, Eugene	Pitrufquen, Chile
ANDERSON, Edward J.	Chicago, Illinois
ANDERSON, Dennis B.	Detroit, Michigan
ANDERSON, Edmund B.	Westchester, Illinois
ANDERSON, Thomas A.	Westchester, Illinois
ANDRES, Christopher M.	Titusville, Pennsylvania
ANNIS, Burton M.	Park Ridge, Illinois
APICE, John M.	Providence, Rhode Island
AQUALINO, Arthur J.	Locust Valley, New York
AREND, Harlan A.	Villa Park, Illinois
ARNDT, Charles E.	Cleveland, Ohio
ARNDT, Earl W.	Chicago, Illinois
ARNOLD, Michael J.	Cincinnati, Ohio
ARONE, Phillip A.	Niagara Falls, New York
ARVIA, Frank C.	Homewood, Illinois
ASHBURN, William F.	Kokomo, Indiana
AURELIO, James A.	Chicago, Illinois
AVERY, Robert P.	Rockford, Ohio
BAIRD, Charles H.	Peru, Indiana
BAKER, Gerald F.	Decatur, Indiana
BALOUN, Michael J.	Bellwood, Illinois
BALTZ, James H.	Detroit, Michigan
BARA, Edward J.	Chicago, Illinois
BARAN, Leonard C.	Griffith, Indiana
BARANOWSKI, Charles J.	Bronx, New York
BARANY, Michael J.	South Bend, Indiana
BARBIER, Charles M.	River Forest, Illinois
BARTHOLOMY, David K.	Fort Wayne, Indiana
BASTIN, David J.	Monticello, Indiana
BAUM, Michael J.	Amelia, Ohio
BAUMER, Fred A.	Anna, Ohio
BAVOLEK, Allan E.	Skokie, Illinois
BEAN, William C.	Benton Harbor, Michigan
BEAUPRE, Glenn L.	Chicago, Illinois
BEAUPRE, Theodore L.	Kankakee, Illinois
BEAVEN, Thomas J.	Skokie, Illinois
BEEM, James F.	Cumberland, Maryland
BEIER, James L.	Clyde, Ohio
BEIRIGER, Richard A.	Griffith, Indiana

148 SAINT JOSEPH'S COLLEGE

BELL, John C.	Chicago, Illinois
BENCZE, Charles A.	Cranbury, New Jersey
BENDER, John W.	Toledo, Ohio
BENDER, William F.	Cincinnati, Ohio
BENNER, James P.	Jackson, Michigan
BERENDA, Linda J.	Fair Oaks, Indiana
BERENDA, Richard L.	Rensselaer, Indiana
BERNER, David F.	Bensenville, Illinois
BERNER, Dennis J.	Bensenville, Illinois
BERNINGER, Roy J.	Clarks Hill, Indiana
BESHARA, Dennis L.	Canton, Ohio
BETZ, James S.	Jasper, Indiana
BEURET, Lawrence J.	Auburn, Indiana
BIALCZAK, Richard W.	Columbus, Ohio
BIANCHI, Louis A.	Chicago, Illinois
BIANCO, Joseph A.	Niles, Ohio
BIDDLE, Martha M.	Remington, Indiana
BIELEWICZ, Jerry L.	Gary, Indiana
BINGHAM, Billie S.	Morocco, Indiana
BIRK, John L.	Glen Ellyn, Illinois
BISHOPP, Virginia V.	Sheldon, Illinois
BLACK, Peter M.	Appleton, Wisconsin
BLACKWOOD, Robert J.	Richmond, Indiana
BLAKE, Richard W.	Kankakee, Illinois
BLAKE, Robert J.	Mansfield, Ohio
BOCKRATH, Gary L.	Dayton, Ohio
BODEN, Terry G.	Dearborn, Michigan
BOESCH, Charles H.	Dayton, Ohio
BOGIELCZYK, Kenneth J.	Chicago, Illinois
BOGUSKI, Ronald T.	Berwyn, Illinois
BOHNEN, Roger W.	Chicago, Illinois
BOLANOS, Craig G.	Chicago, Illinois
BOLGER, Richard B.	Chicago, Illinois
BOLTER, George R.	Hackensack, New Jersey
BONELLI, Betty	Chicago, Illinois
BONELLI, Philip	Chicago, Illinois
BONICK, James F.	Homewood, Illinois
BONTEMPO, Thomas J.	Newark, New Jersey
BOSAK, Edward L.	Gary, Indiana
BOSSUNG, Carl L.	Reynolds, Indiana
BOSSUNG, Sharon E.	Rensselaer, Indiana
BOTON, Joseph L.	Chicago, Illinois
BOWLING, Charles P.	Riverdale, Illinois
BOYER, David S.	Grosse Pointe, Michigan
BOYKO, Walter	Philadelphia, Pennsylvania
BOYLE, John R.	Joliet, Illinois
BOYLE, John T.	Fond du Lac, Wisconsin
BRACEWELL, James P.	Chicago, Illinois
BRADY, Martin J.	Chicago, Illinois
BRANDENBURG, John P.	Dayton, Ohio
BRAUN, Raymond H.	Chicago, Illinois
BRESNAHAN, Patrick M.	South Whately, Indiana
BRESSANELLI, Leo A.	Sterling, Illinois
BREZENE, Dario M.	Whiting, Indiana
BRIDGE, Robert C.	Streator, Illinois
BRIMSTIN, Joseph W.	Homewood, Illinois
BRINCK, Michael F.	West Point, Iowa

REGISTER OF STUDENTS 149

BRINKMAN, Charles L.	Dayton, Ohio
BRITHINE, Michael J.	Dearborn, Michigan
BROADWAY, Paul R.	Chicago, Illinois
BROCK, Timothy M.	Chesterland, Ohio
BRODRICK, Daniel L.	Fort Wayne, Indiana
BROST, Gerry V.	Ambia, Indiana
BROWN, George P.	Royal Oak, Michigan
BROWN, Brother James	Rensselaer, Indiana
BROWN, James M.	Kankakee, Illinois
BROWN, Michael K.	Villa Park, Illinois
BRUNETTI, Alfred R.	Garfield, New Jersey
BRUNS, James L.	Celina, Ohio
BRUNS, Kenneth E.	Burkettsville, Ohio
BRUNSWICK, Larry F.	Burkettsville, Ohio
BRUNSWICK, Lonnie J.	Burkettsville, Ohio
BUCHKO, Michael J.	Gary, Indiana
BUCKNER, Carl C.	Evansville, Indiana
BUHRMAN, Brother Philip	Rensselaer, Indiana
BURKART, Joseph T.	Fostoria, Ohio
BURKE, John J.	Chicago, Illinois
BURKHALTER, Lawrence J.	Kankakee, Illinois
BYRD, Phillip T.	Franklin Park, Illinois
BYRNE, Paul J.	New Berlin, Wisconsin
CACCAMO, John P.	Chicago, Illinois
CACHUR, Thomas J.	Chicago, Illinois
CALCOTT, Philip G.	Elmwood Park, Illinois
CALLAHAN, Jerome F.	Terre Haute, Indiana
CALLANAN, Michael R.	Detroit, Michigan
CALLERO, James R.	Niles, Illinois
CALLUM, Thomas E.	Chicago, Illinois
CAMERON, Walter E.	Kokomo, Indiana
CAMPAGNA, Joseph J.	Fowler, Indiana
CAMPBELL, Terrence M.	Bay Village, Ohio
CANTON, Alan C.	Waldwick, New Jersey
CAREY, James A.	Valparaiso, Indiana
CARLIN, James A.	Detroit, Michigan
CARLSON, Flora J.	Morocco, Indiana
CARNEY, John F.	Struthers, Ohio
CARPEAUX, Walter B.	Elmhurst, Illinois
CARRICO, Bernard V.	Detroit, Michigan
CARROLL, Thomas M.	Chicago, Illinois
CARSON, Russell F.	Westville, Indiana
CARTER, Robert A.	Lynn, Massachusetts
CASENHISER, Peter J.	Franklin, Michigan
CASHMAN, William P.	Delaware, Ohio
CASPER, James T.	Maumee, Ohio
CASSADY, Richard L.	Royal Oak, Michigan
CATES, John M.	Birmingham, Michigan
CAUL, William C.	Chicago, Illinois
CAVALLINI, Daniel J.	Glenview, Illinois
CAVERS, Timothy J.	Arlington Heights, Illinois
CENTANNI, Ross G.	Gary, Indiana
CHAMBERLIN, Louis E.	South Bend, Indiana
CHENEY, James M.	Tinley Park, Illinois
CHEPULIS, Peter D.	Morton Grove, Illinois
CHESLA, Daniel D.	Muskegon, Michigan

150 SAINT JOSEPH'S COLLEGE

CHMURA, Jerome T.	Norridge, Illinois
CHOI, Brendan W.	Kowloon, Hong Kong
CHRAPKOWSKI, Sigmund J.	Chicago, Illinois
CHRISTENSEN, Jack A.	Michigan City, Indiana
CHRISTOPHER, Robert D.	Chicago, Illinois
CHRISTOPOLIS, Nicholas V.	Cleveland, Ohio
CIARAMITARO, Thomas J.	Mt. Clemens, Michigan
CIESLA, Jerome L.	Munster, Indiana
CLAES, Gerald J.	Webster Groves, Missouri
CLAEYS, Louis A.	New Baltimore, Michigan
CLEARY, Joseph P.	Chicago, Illinois
CLEMENS, Charles A.	Warsaw, Indiana
CLIFFORD, Charles A.	Chicago, Illinois
CLOUTIER, Richard E.	Chicago, Illinois
COATES, Thomas J.	Chicago, Illinois
COGAN, Joseph L.	Oak Park, Illinois
COLE, George P.	Homewood, Illinois
COLE, Robert J.	Benton Harbor, Michigan
COLLINS, James R.	Chicago, Illinois
COLLURA, Rank S.	Franklin Park, Illinois
COLON, Jaime L.	Santurce, Puerto Rico
COMPTON, Daniel J.	Chicago, Illinois
CONFILIANO, Donald L.	Joliet, Illinois
CONNORS, Patrick T.	Chicago, Illinois
CONRAD, John R.	Evergreen Park, Illinois
CONRAD, Thomas J.	Lafayette, Indiana
CONROY, Edward D.	Chicago, Illinois
CONTINO, Anthony J.	Green Island, New York
COONS, Alan R.	Mt. Clemens, Michigan
CORBETT, John J.	Chicago, Illinois
CORONA, David R.	Bucyrus, Ohio
CORSARO, Paul J.	Indianapolis, Indiana
COTTERILL, Roger T.	Lorain, Ohio
COUSINO, Earl L.	Erie, Michigan
COUTTENYE, Pablo S.	Caracas, Venezuela
COWDIN, Juliette L.	Rensselaer, Indiana
CRAVEN, Robert J.	Evergreen Park, Illinois
CRAWFORD, Donald E.	Fostoria, Ohio
CRAWFORD, James J.	Chicago, Illinois
CREAGER, Michael A.	St. Joseph, Michigan
CREAGER, Nicholas I.	St. Joseph, Michigan
CREMENT, Anthony J.	Chicago, Illinois
CRESPO, Stephen W.	New York, New York
CROMWELL, Donald L.	Momence, Illinois
CROWLEY, John F.	Chicago, Illinois
CROWLEY, Thomas F.	Oak Park, Illinois
CROXTON, Richard J.	Mason, Michigan
CUDZILO, Thomas F.	Chicago, Illinois
CUROSH, Joseph L.	Whiting, Indiana
CURRAN, Donald L.	Harvey, Illinois
CURRAN, Patrick J.	Louisville, Kentucky
CURRIE, Robert E.	Indianapolis, Indiana
CURRIE, William B.	Indianapolis, Indiana
CUSICK, Martin P.	Cresskill, New Jersey
CWIERTNIAK, Robert L.	Chicago, Illinois
CZARNOWSKI, Gregory	Chicago, Illinois

REGISTER OF STUDENTS 151

DAHLHEIM, Robert A.	Indianapolis, Indiana
DALE, Curt F.	Chicago, Illinois
DALEIDEN, Joseph L.	Chicago, Illinois
D'ALESSANDRO, David F.	Oak Park, Illinois
DALEY, Terrence W.	Lima, Ohio
DANCER, Dennis M.	Dayton, Ohio
DANEHY, Robert J.	Carlyle, Illinois
DAOUST, Raymond E.	Inkster, Michigan
DARBY, Dennis O.	Akron, Ohio
DASSE, Scott F.	Chesterton, Indiana
DATKA, Phillip A.	Milwaukee, Wisconsin
DAVIA, Don L.	Wauconda, Illinois
DAVIA, Jeri L.	Wauconda, Illinois
DAVIS, Sharon E.	Wheatfield, Indiana
DAVIS, Terry M.	Hammond, Indiana
DAVIS, Vernon	Janesville, Wisconsin
DAVISSON, Terry A.	Rensselaer, Indiana
DAVY, Lewis D.	New Milford, Pennsylvania
DEAN, Gordon R.	Rensselaer, Indiana
DeANGELO, James T.	Steubenville, Ohio
DeBRUIN, Russell	Chicago, Illinois
DeDIG, Philip S.	Aliquippa, Pennsylvania
DeJEAN, William F.	Evansville, Indiana
DeLAMIELLEURE, Tom R.	Centerline, Michigan
DELANEY, Michael J.	Chicago, Illinois
DELLANINA, Emo A.	Chicago, Illinois
DEMPSEY, Donald D.	Chicago, Illinois
DERMODY, William B.	Trenton, Illinois
DESMET, Charles E.	Chicago, Illinois
DESSERICH, David J.	Cincinnati, Ohio
DETERS, Donald L.	Carlyle, Illinois
DEVINE, Edward S.	Aurora, Illinois
DEVINE, Robert A.	Detroit, Michigan
DIAMOND, Thomas J.	Rahway, New Jersey
DIBLIK, Rudolph	Elmhurst, Illinois
DICILLO, Michael F.	Chicago, Illinois
DICK, SHARON M.	Kentland, Indiana
DICKREDE, Richard J.	Delphos, Ohio
DIESSNER, John F.	Clifton, New Jersey
DILLON, Daniel F.	Chicago, Illinois
DILLON, Terrence R.	Chicago, Illinois
DILLON, William D.	Fort Wayne, Indiana
DILWORTH, Donald T.	Lima, Ohio
DINAPOLI, Michael V.	Tiltonsville, Ohio
DISSER, Michael B.	Grosse Pte., Michigan
DIXON, James S.	LaPorte, Indiana
DMYTROW, Mitchell W.	St. Catherines, Ontario, Canada
DOCKUS, Kenneth A.	Chicago, Illinois
DOELL, John F.	Bay Village, Ohio
DOHERTY, Robert E.	Chicago, Illinois
DOLAR, David F.	Riverside, Illinois
DOLNIAK, Steven H.	Chicago, Illinois
DOOLEY, John R.	Oak Park, Illinois
DOOLEY, Joseph J.	River Forest, Illinois
DORE, William J.	Chicago, Illinois
DORSTEN, Ronald A.	Minster, Ohio
DOSTAL, Allan L.	Brantford, Ontario, Canada

152 SAINT JOSEPH'S COLLEGE

DOSTAL, Ron	Brantford, Ontario, Canada
DOUGHERTY, Richard J.	Old Bridge, New Jersey
DRAGAN, Thomas M.	Chicago, Illinois
DREHER, Donald E.	Chicago, Illinois
DUBAY, John A.	Mt. Clemens, Michigan
DUFFY, Thomas J.	Chicago, Illinois
DUGAN, Michael J.	Toledo, Ohio
DUNCAN, Dennis C.	Dublin, Ohio
DUNCAN, Robert R.	Rensselaer, Indiana
DUNHAM, Thomas L.	Cincinnati, Ohio
DUNIGAN, Terry G.	Ionia, Michigan
DUNN, Dennis J.	Barrington, Illinois
DVORAK, Robert E.	Chicago, Illinois
DYER, James J.	Chicago, Illinois
DYWAN, Michael W.	East Chicago, Indiana
EASTON, Willian G.	Stillwater, Minnesota
EATON, William J.	LaCanada, California
ECHLE, James W.	Gary, Indiana
ECK, Terry P.	Maywood, Illinois
ECKERLE, Dave E.	Jasper, Indiana
EDMISTON, James P.	Cincinnati, Ohio
EDWARDS, James M.	Grand Blanc, Michigan
EFFINGER, Thomas J.	Rensselaer, Indiana
EGAN, James J.	Amherst, Ohio
EGER, Patricia S.	Rensselaer, Indiana
EITER, Robert L.	DesPlaines, Illinois
EITER, Thomas P.	DesPlaines, Illinois
ELIJAH, Terry D.	Rensselaer, Indiana
EMERY, Edward J.	Brooklyn, New York
EPHGRAVE, George F.	Chicago, Illinois
ERDMAN, Robert J.	Huntington Woods, Michigan
EVANS, Michael A.	New Albany, Indiana
EVERS, Linus J.	St. Henry, Ohio
EYERMAN, Michael J.	Columbus, Ohio
FABBRE, Dennis E.	Joliet, Illinois
FAGEN, David G.	Crown Point, Indiana
FALLAT, Dale W.	Cleveland, Ohio
FALVEY, John P.	Knox, Indiana
FANSELOW, David H.	Chicago, Illinois
FARLEY, Frederick E.	Tiffin, Ohio
FARREN, James J.	Wynnewood, Pennsylvania
FAUCHER, Charles	Grosse Pte., Michigan
FAULKNER, Mary F.	Lafayette, Indiana
FAVROT, Phillip L.	Zionsville, Indiana
FERRI, Enrico J.	Morris, Illinois
FILAN, John B.	Chicago, Illinois
FILSTEAD, William J.	Chicago, Illinois
FINAN, Terry P.	Orchard Lake, Michigan
FINK, Paul R.	Detroit, Michigan
FIORE, Vincent R.	Hackensack, New Jersey
FISHER, James R.	Detroit, Michigan
FITZGERALD, Harry C.	Morocco, Indiana
FITZMAURICE, James M.	Winchester, Indiana
FITZPATRICK, James B.	Cincinnati, Ohio
FLANAGAN, Patrick J.	Adrian, Michigan
FLEISCHMAN, Gregory C.	Chicago, Illinois

REGISTER OF STUDENTS 153

FOLEY, Thomas M.	South Bend, Indiana
FOOS, Dennis E.	Norwalk, Ohio
FORD, James S.	Benton Harbor, Michigan
FORD, Richard L.	Rensselaer, Indiana
FORNIER, Richard A.	Fair Lawn, New Jersey
FOWLER, William R.	St. Joseph, Michigan
FRAIN, Richard M.	Park Forest, Illinois
FRANKIEWICZ, Paul J.	Chicago, Illinois
FRANZE, Wayne	Chicago Heights, Illinois
FRASER, Julie	Detroit, Michigan
FRASER, Michael D.	Pontiac, Michigan
FRASOR, Frank J.	Blue Island, Illinois
FRAWLEY, Edward J.	Falls Church, Virginia
FREAS, John F.	Cleveland, Ohio
FREEHILL, C. Stephen	Melvin, Illinois
FREIMUTH, Frank J.	Skokie, Illinois
FREY, Frederick H.	Chicago, Illinois
FROELICH, Charles L.	Defiance, Ohio
FRONING, John B.	Chickasaw, Ohio
FULD, Stephen G.	Decatur, Illinois
FULLENKAMP, Carl L.	St. Henry, Ohio
FUNK, Edward J.	Tinley Park, Illinois
FUNK, Harold E.	Kentland, Indiana
GAD, James F.	Chicago, Illinois
GADOWSKI, Edward M.	Charlestown, Massachusetts
GALKA, Leonard M.	Hobart, Indiana
GALLAGHER, Thomas N.	Rochester, Indiana
GALLAGHER, Michael D.	Michigan City, Indiana
GAPEN, Raymond J.	Indianapolis, Indiana
GARN, Grant W.	Perrysburg, Ohio
GARNIER, Edward P.	Kankakee, Illinois
GARTLAND, L. James	Flint, Michigan
GARVEY, Thomas E.	Carteret, New Jersey
GARVIN, John H.	Fort Wayne, Indiana
GARZYNSKI, Robert F.	Berwyn, Illinois
GASICK, Dennis M.	Chicago, Illinois
GASSOWAY, Virgil J.	Chesterton, Indiana
GATZA, James H.	Flint, Michigan
GAZDA, Joseph T.	Chicago, Illinois
GEARING, Charles M.	Welch, West Virginia
GEIMER, Jerome H.	Decatur, Indiana
GELEOTT, Ronald W.	Gary, Indiana
GEOFFRION, Robert C.	Indianapolis, Indiana
GEORGE, John W.	Elyria, Ohio
GEORGE, Kenneth C.	Dearborn, Michigan
GERARDOT, Patrick G.	Fort Wayne, Indiana
GERKE, Joseph W.	Otterville, Missouri
GERSTNER, Dietwald A.	Huntsville, Alabama
GETTIG, James J.	Chesterland, Ohio
GICK, Carolyn E.	Wolcott, Indiana
GICK, Steve A.	Wolcott, Indiana
GIES, Anthony E.	Chicago, Illinois
GIGNAC, A. Lawrence	Royal Oak, Michigan
GITZINGER, James C.	Dayton, Ohio
GODLEWSKI, Thaddeus J.	Chicago, Illinois
GOGGIN, Dennis J.	Chicago, Illinois

154 SAINT JOSEPH'S COLLEGE

GOOD, Ray A.	River Forest, Illinois
GORDON, Lawrence A.	Penfield, Illinois
GORMALLY, Timothy L.	No. Providence, Rhode Island
GORMAN, John P.	Oak Park, Illinois
GOSSIN, Stephen D.	San Francisco, California
GOUBEAUX, Guy F.	Highland, Indiana
GOULISH, Nicholas E.	Youngstown, Ohio
GRABBE, Theodore J.	Chicago, Illinois
GRAFF, Gerald W.	Chicago, Illinois
GRAJEWSKI, Timothy J.	Detroit, Michigan
GRANT, Gladys C.	Rensselaer, Indiana
GRASSI, Felix J.	Chicago, Illinois
GRAY, William R.	South Bend, Indiana
GREEN, John G.	Mundelein, Illinois
GREEN, Richard L.	Rensselaer, Indiana
GREESON, Guy A.	Evansville, Indiana
GRENCIK, Steve J.	Whiting, Indiana
GRIERSON, Peter R.	Winter Haven, Florida
GRIFFIN, John A.	Chicago Heights, Illinois
GRIFFIN, Robert E.	Albany, New York
GRIFFITH, William H.	Fort Wayne, Indiana
GRODEN, William J.	Cyrstal Lake, Illinois
GROSKE, Raymond T.	Detroit, Michigan
GROSS, John R.	Kearny, New Jersey
GROTZINGER, Peter J.	Sedalia, Missouri
GROWNEY, Lawrence J.	Omaha, Nebraska
GRZESKIEWICZ, Ronald C.	South Bend, Indiana
GUAGENTI, Andrew N.	Chicago, Illinois
GUAGENTI, Louis J.	Lima, Ohio
GUDE, Michael C.	Nebraska City, Nebraska
GUDORF, Marvin R.	Tell City, Indiana
GUERIN, Joseph L.	Columbus, Ohio
GUERRA, Kenneth J.	Chicago, Illinois
GUERRERO, Reinaldo E.	Chicago, Illinois
GUGINO, Joseph C.	Rochester, New York
GUGLIOTTA, Joseph D.	Chicago, Illinois
GUSTENHOVEN, Bernard F.	Fords, New Jersey
GUSTIN, Gregory T.	Decatur, Illinois
HACKETT, John W.	Chicago, Illinois
HAGIST, Jacob J.	Indianapolis, Indiana
HAKE, Joseph W.	Fort Wayne, Indiana
HALPIN, John J.	Elmhurst, Illinois
HANCHAR, Anthony W.	Fort Wayne, Indiana
HANRAHAN, Marguerite J.	Detroit, Michigan
HANRAHAN, Terrence C.	Chicago, Illinois
HANSEN, Harold T.	Chicago, Illinois
HARGADON, James F.	Chicago, Illinois
HARMON, Francis J.	Chicago, Illinois
HARRINGTON, Daniel J.	Chicago, Illinois
HARRIS, Robert A.	Elmwood Park, Illinois
HARTFORD, John F.	Fairview Park, Ohio
HARTFORD, John W.	Gibson City, Illinois
HARTKE, Jerry A.	Celina, Ohio
HARTMANN, Joseph W.	Elmhurst, Illinois
HATTEMER, James C.	Cincinnati, Ohio
HAYES, William P.	Detroit, Michigan

REGISTER OF STUDENTS 155

HEIMANN, Gerald J.	Decatur, Indiana
HEIMANN, James A.	Decatur, Indiana
HELMOLD, Thomas F.	Chicago, Illinois
HELZING, Carl F.	Chicago, Illinois
HEMERY, Jean L.	Des Plaines, Illinois
HEMM, Thomas W.	Piqua, Ohio
HEMMELGARN, James L.	Fort Monroe, Virginia
HEMMELGARN, Lowell J.	Maria Stein, Ohio
HEMMING, William A.	Detroit, Michigan
HEMMINGER, Joseph A.	Sandusky, Ohio
HEMSTREET, Gerald F.	Hillside, Illinois
HENNINGER, Harriet M.	Morocco, Indiana
HENTSCHEL, Ingo W.	Rensselaer, Indiana
HERB, Richard W.	Sandusky, Ohio
HERBER, Charles P.	Fort Wayne, Indiana
HERBST, Terry E.	Columbia City, Indiana
HERBST, Terrence T.	Bellwood, Illinois
HERMAN, Allan J.	Evanston, Illinois
HERRE, Pettranella	Rensselaer, Indiana
HERSHBERGER, Malcolm K.	Rensselaer, Indiana
HIGGINS, John F.	Peoria, Illinois
HIGGINS, William J.	River Forest, Illinois
HILLENBRAND, W. August	Batesville, Indiana
HIPPLE, William D.	Ft. Thomas, Kentucky
HIRL, Bernard M.	Mishawaka, Indiana
HITCHCOCK, Robert J.	Milwaukee, Wisconsin
HOFFMAN, John E.	Chicago, Illinois
HOLLER, Michael B.	Mansfield, Ohio
HOLMES, Edward J.	Huntington, Indiana
HORN, Charles E.	Chicago, Illinois
HOYING, John J.	Greenville, Ohio
HUCKLEBERRY, Thomas D.	Indianapolis, Indiana
HUEBER, Dennis F.	Euclid, Ohio
HUELSKAMP, Thomas R.	Breese, Illinois
HUIE, James L.	New York, New York
HULA, Joseph A.	Chicago, Illinois
HULL, Earl H.	Hannibal, Missouri
HUNN, Dwayne L.	Parma, Ohio
HURLEY, Edward T.	Indianapolis, Indiana
HUSEMAN, Terry J.	St. John, Indiana
IMPERO, Paul A.	Binghamton, New York
IPPOLITO, Vincent J.	Berwyn, Illinois
ISSELHARD, Terrel J.	Belleville, Illinois
IVACIC, Jerome P.	Spencer, Wisconsin
IWANKOVITSCH, Harold L.	St. Clair Shores, Michigan
JACHIMOWSKI, Edmund P.	Cicero, Illinois
JACK, Jerry L.	Mishawaka, Indiana
JANKOWSKI, James J.	Chicago, Illinois
JANOUSEK, Ronald J.	Posen, Illinois
JESS, Frank J.	Perth Amboy, New Jersey
JISA, Frank J.	Coal City, Illinois
JOHNSON, Albert W.	Cleveland, Ohio
JOHNSTON, Bruce E.	Ft. Lauderdale, Florida
JOHNSTON, Ray N.	Lima, Ohio
JORDAN, Gerald D.	Chicago, Illinois

156 SAINT JOSEPH'S COLLEGE

JORDAN, Michael J.	Maywood, New Jersey
JOYCE, Kevin P.	Chester, Pennsylvania
JOZAITES, Frank G.	Norridge, Illinois
KALMANEK, Richard J.	Detroit, Michigan
KAMINSKI, Wayne T.	Chicago, Illinois
KANCZUZEWSKI, Ronald C.	South Bend, Indiana
KANE, John F.	Chicago, Illinois
KANNAPELL, Nicholas A.	Louisville, Kentucky
KANTRA, William J.	Fords, New Jersey
KAPP, Thaddeus M.	Chicago, Illinois
KAPRAUN, Barbara A.	Francesville, Indiana
KAPRAUN, Clarence A.	Henry, Illinois
KEPRAUN, Henry K.	Putnam, Illinois
KAPTAIN, Robert G.	Rio de Janeiro, Brazil
KATALAK, Joseph A.	Chicago, Illinois
KAUFFMAN, Robert L.	Bremen, Indiana
KEARIN, Thomas C.	Elmhurst, Illinois
KEHOE, Richard T.	Wilmette, Illinois
KEIGHER, Patrick H.	Joliet, Illinois
KEILMAN, Frank L.	Dyer, Indiana
KELLEY, Charles J.	Akron, Ohio
KELLY, George L.	Chicago, Illinois
KELLY, James E.	Fort Wayne, Indiana
KELLY, James H.	Indianapolis, Indiana
KELLY, Robert J.	Mt. Vernon, Ohio
KEMPER, Richard L.	Akron, Ohio
KENNEDY, John J.	Riverside, Illinois
KENNEDY, Peter T.	Chicago, Illinois
KENNEY, H. Philip	Indianapolis, Indiana
KERNAGHAN, David G.	Scotia, New York
KESL, George R.	San Pierre, Indiana
KICINSKI, Thomas C.	Hobart, Indiana
KILLORAN, Douglas C.	East Detroit, Michigan
KIN, James W.	Midland, Michigan
KINGMAN, Stephen A.	Rensselaer, Indiana
KINN, John D.	Fostoria, Ohio
KINNEY, James F.	Ho-ho-Kus, New Jersey
KIRK, Thomas N.	Chicago, Illinois
KISSNER, Robert J.	Toledo, Ohio
KLAWITTER, Thomas F.	Steger, Illinois
KLEESE, Edward J.	Indianapolis, Indiana
KLEIN, James J.	Jasper, Indiana
KLOTE, John H.	Detroit, Michigan
KLUCHA, Donald L.	East Detroit, Michigan
KNAISEL, Stephen A.	Oak Park, Illinois
KNIGHT, JOHN E.	East Chicago, Indiana
KNOCHER, Donna L.	Remington, Indiana
KNUEVE, Donald S.	Wapakoneta, Ohio
KNUEVEN, Al E.	Leipsic, Ohio
KOCH, Jeffrey P.	Chicago, Illinois
KOCH, Victor R.	Prospect Heights, Illinois
KOENIG, Theodore A.	Arlington Heights, Illinois
KOHLRIESER, George A.	Wapakoneta, Ohio
KOHR, Kenneth	St. Louis, Missouri
KOHRMAN, Thomas P.	Fort Wayne, Indiana
KOLAR, George E.	Waukegan, Illinois

REGISTER OF STUDENTS 157

KOPPERS, Kenneth P.	Elgin, Illinois
KOPSCHITZ, Herbert J.	Mansfield, Ohio
KORZENIEWSKI, Frank J.	Summit, Illinois
KOTOWSKI, Thomas A.	Niles, Illinois
KRAMER, Patrick D.	Rantoul, Illinois
KRAMER, Robert J.	Chicago, Illinois
KRAPEC, Michael J.	Chicago, Illinois
KRAPF, Norbert A.	Jasper, Indiana
KRASNE, Thomas K.	Gary, Indiana
KRATOCHVIL, Ronald R.	Chicago, Illinois
KRUPA, Thomas W.	Prospect Heights, Illinois
KUBANEY, James E.	Erie, Pennsylvania
KUDLA, Kenneth J.	Chicago, Illinois
KUEMMERLE, Edgar W.	Danville, Illinois
KUHAR, Thomas	South Bend, Indiana
KUHN, Frederick J.	Cincinnati, Ohio
KUHN, William J.	Kokomo, Indiana
KURLAND, Joseph G.	Chicago, Illinois
KURTZMAN, Henry J.	Mansfield, Ohio
KUZMIN, William	Bethlehem, Pennsylvania
LAMBERT, Mark T.	Crown Point, Indiana
LAMMERMEIER, Kenneth J.	Brunswick, Ohio
LANE, Robert W.	Benton Harbor, Michigan
LANG, Thomas P.	Holland, Michigan
LANGLEY, Michael P.	Chicago, Illinois
LANGLOIS, Joseph D.	Lexington Park, Maryland
LANGNER, Jerry D.	South Bend, Indiana
LAPRAD, Gary L.	Monroe, Michigan
LAREAU, Bernard	Rensselaer, Indiana
LARSON, Donald E.	Chesterton, Indiana
LASHBROOK, Thomas D.	Rensselaer, Indiana
LAUE, Tony W.	Effingham, Illinois
LAUER, Robert M.	Fort Wayne, Indiana
LAURAITIS, Leona J.	Wheatfield, Indiana
LAVERY, Dennis G.	Orland Park, Illinois
LAVERY, William R.	Evergreen Park, Illinois
LAVEY, Gerald M.	Chicago, Illinois
LAWLER, George W.	Chicago, Illinois
LAWRENCE, Ardis	Brook, Indiana
LAWRENCE, Robert H.	Indianapolis, Indiana
LEBRATO, Charles M.	Fort Wayne, Indiana
LEBRATO, Joseph P.	Fort Wayne, Indiana
LECHNER, Larry R.	Winnetka, Illinois
LECHWAR, Rodney B.	Northbrook, Illinois
LEMAY, Frank L.	Euclid, Ohio
LENNON, Lawrence B.	Vincennes, Indiana
LEONAUSKAS, Alan	Chicago, Illinois
LEPENSKE, Joseph A.	Homewood, Illinois
LESPERANCE, Gerald J.	East Detroit, Michigan
LEUGERS, Clarence V.	Rosburg, Ohio
LEVANDOSKI, William J.	Terryville, Connecticut
LEVENDA, Terrance A.	East Gary, Indiana
LEWIS, James H.	New Albany, Indiana
LEWIS, J. Patrick	Gary, Indiana
LEWIS, L. Michael	Gary, Indiana
LEWIS, Shirley J.	Rensselaer, Indiana

158 SAINT JOSEPH'S COLLEGE

LEYDEN, Michael F. Chicago, Illinois
 L'HEUREUX, Robert D. Arlington, Virginia
 LIGGETT, Keith R. Chicago, Illinois
 LINDEN, Thomas J. Albany, New York
 LINDEN, Vincent L. Folsom, Pennsylvania
 LINEHAN, William P. Lima, Ohio
 LIPTAY, Tibor J. Chicago, Illinois
 LOFFT, Robert B. Royal Oak, Michigan
 LOMBARDO, Stephen J. Chicago, Illinois
 LONG, John W. Marion, Indiana
 LOTHROP, Paul E. Chicago, Illinois
 LOTHROP, Robert J. Chicago, Illinois
 LUCAS, James A. Rensselaer, Indiana
 LUCE, Cyde E. LaPorte, Indiana
 LUDWIG, Kenneth L. Chicago, Illinois
 LUEBKE, Sister Mary J. San Pierre, Indiana
 LUKASIK, John A. Chicago, Illinois
 LUNKES, Michael J. Chicago, Illinois
 LUNNEY, John F. Evergreen Park, Illinois
 LUXEM, John M. Logansport, Indiana
 LYNCH, Andrew C. Highland Park, Illinois

McAFEE, George J. Fort Wayne, Indiana
 McARDLE, Stephen C. Fort Wayne, Indiana
 McCABE, Pierce F. Brookfield, Illinois
 McCANN, Patrick J. Cicero, Illinois
 McCAULEY, Philip W. Madison, Indiana
 McCAW, Lynn D. Lafayette, Indiana
 McCORMICK, James P. Lima, Ohio
 McCORMICK, Michael P. Wellston, Ohio
 McDERMOTT, Thomas J. Mansfield, Ohio
 McDONALD, Bernard W. Arlington Heights, Illinois
 McDONALD, James D. Chicago, Illinois
 McDONNELL, John C. Chicago, Illinois
 McDOWELL, Kenneth L. Lafayette, Indiana
 McERLEAN, John M. Flossmoor, Illinois
 McEVILLEY, John P. Cincinnati, Ohio
 McGAFFNEY, John S. Kokomo, Indiana
 McGAFFNEY, Michael W. Kokomo, Indiana
 McGLONE, William J. Chicago, Illinois
 McGRAIL, William C. Chicago, Illinois
 McHALE, Michael J. Euclid, Ohio
 McHUGH, Robert G. Union City, New Jersey
 McKOSKI, Martin M. Akron, Ohio
 McLAUGHLIN, John W. Wilmette, Illinois
 McLAUGHLIN, Robert L. Oak Lawn, Illinois
 McLAUGHLIN, Thomas P. New York, New York
 McLAUGHLIN, Timothy P. New York, New York
 McLEAN, Donald A. Elmhurst, New York
 McMAHON, Donald F. Chicago, Illinois
 McMAHON, Thomas O. Lafayette, Indiana
 McNALLY, Eugene R. Milford, Ohio
 McNAMARA, Gerald M. Chicago, Illinois
 MacDONALD, Patrick J. Berkley, Michigan

MACHER, Robert J. Elmhurst, Illinois
 MADDEN, James E. Chicago, Illinois

REGISTER OF STUDENTS 159

MADDEN, John L.	Medford, New Jersey
MADDEN, Thomas J.	Bay Village, Ohio
MAGNUS, Robert L.	Dayton, Ohio
MAHAFFEY, Sharron J.	Goodland, Indiana
MAHAN, Leone M.	Lake Village, Indiana
MAHONEY, James J.	LaGrange, Illinois
MALATESTA, Neal J.	Wapakoneta, Ohio
MALESKI, Robert J.	Hammond, Indiana
MALLUN, Thomas D.	Chicago, Illinois
MALONEY, Daniel J.	Brooklyn, Ohio
MALONEY, James F.	Brooklyn, Ohio
MANEY, Robert D.	Tipton, Indiana
MANNEN, John H.	Cleveland, Ohio
MANNHARD, Gregory W.	St. Louis, Missouri
MANTICH, Andrew M.	Whiting, Indiana
MAREN, Jerome P.	Evergreen Park, Illinois
MARLATT, Sue E.	Rensselaer, Indiana
MARRON, John F.	Chicago, Illinois
MARSHALL, John M.	Francesville, Indiana
MARTELL, Armand R.	Galesburg, Illinois
MARTIN, Jack S.	Chicago, Illinois
MARX, Robert P.	Webster Groves, Missouri
MARZEC, Walter S.	Chicago, Illinois
MASKE, Albert J.	Germantown, New York
MATHEWS, Thomas C.	Chicago, Illinois
MATTHYS, John P.	Homewood, Illinois
MAZUR, Jeffrey	Fairview Park, Ohio
MAZZARELLA, Joseph A.	Mt. Vernon, New York
MEEHAN, Michael A.	Chicago, Illinois
MEIRING, Bernard	Rensselaer, Indiana
MELADY, Patrick J.	Chicago, Illinois
MELLIN, Lester T.	Maywood, Illinois
MERRIMAN, Thomas J.	Cleveland Heights, Ohio
MERZ, Richard P.	Kirkwood, Missouri
MESCHER, James G.	Minster, Ohio
MESERVEY, Michael D.	Chicago, Illinois
MESSINGER, William J.	Oneida, New York
MESSMAN, Thomas J.	Rensselaer, Indiana
METZ, William L.	Dearborn, Michigan
METZINGER, James R.	Lafayette, Indiana
MEYER, Frederick T.	Lorain, Ohio
MEYER, Gerard T.	Skokie, Illinois
MEYER, Lois A.	Rensselaer, Indiana
MEYER, Vincent C.	Rensselaer, Indiana
MEYERS, Gwen	Rensselaer, Indiana
MEYLER, William A.	Colonia, New Jersey
MICHAEL, John R.	Rensselaer, Indiana
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SZMAGALSKI, Andrew M.	Chicago, Illinois

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WALL, Terrence T.	Villa Park, Illinois
WALSH, James M.	Chicago, Illinois
WALSH, Patrick S.	DesPlaines, Illinois
WALSH, Thomas B.	Oak Lawn, Illinois
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WOYNEROWSKI, Dennis F.	Chicago, Illinois
WOZNAIAK, John S.	Bayonne, New Jersey
WUERTH, Felix L.	Louisville, Kentucky
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YADRON, William T.	Harvey, Illinois
YANCEY, John R.	Brockway, Pennsylvania
YEAGLEY, Lawrence A.	South Bend, Indiana
YEOMAN, Boyd L.	Remington, Indiana
YOST, Larry D.	Kentland, Indiana
YOUNG, Thomas R.	Osceola, Indiana
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ZELENKA, Robert M.	Cleveland, Ohio

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Thomas A. LEWIS

William L. McFETRIDGE

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John Charles Babione, B.A., English Magna Cum Laude	Fremont, Ohio
Leonard Joard Bara, B.S., Accounting	Chicago, Illinois
Delores Josephine Battleday, B.S., Education	Rensselaer, Indiana
Donald Joseph Bian, B.S., Marketing	Elmhurst, Illinois
James Michael Biernat, B.A., History Cum Laude	Detroit, Michigan
James Francis Bishop, B.S., Marketing	Crystal Lake, Illinois
William Joseph Bloch, B.A., Political Science	Chicago, Illinois
John Francis Blume, B.A., Mathematics	Chicago, Illinois
Ronald Louis Bonato, B.A., History Cum Laude	Chicago, Illinois
Matthew Joseph Brady, B.A., Biology	New Augusta, Indiana
William Anthony Braunbeck, B.S., Physical Education	Jefferson, Indiana
Dennis F. Brestensky, B.A., English, Cum Laude	Brackenridge, Pennsylvania
James Edward Bruin, B.S., Marketing	Lima, Ohio
Anthony John Caldanaro, Jr., B.S., Management	Wheatfield, Indiana
George Stephen Carse, B.S., Marketing	New York City, New York
James L. S. Churosh, B.A., Mathematics-Physics	Whiting, Indiana
Thomas Michael Ciskowski, B.A., Mathematics-Physics	Milwaukee, Wisconsin
Richard Joseph Cochrane, B.A., Chemistry	Maywood, Illinois
Ronald Joseph Condon, B.S., Accounting	Oil City, Pennsylvania
James Keith Couhig, B.A., Speech	Sedalia, Missouri
Francis Warner Creel, B.A., Journalism-Social Science Magna Cum Laude	Tulsa, Oklahoma
James B. Crook, B.S., Accounting Cum Laude	Chicago, Illinois
David L. Cunningham, B.S., B.A., Economics Cum Laude	Wauwatosa, Wisconsin
Douglas Willard Deno, B.A., Mathematics-Physics	Earl Park, Indiana
Peter Paul DiCianni, Jr., B.S., Marketing	Chicago, Illinois
Carl C. Dirksen, B.S., Marketing	Maria Stein, Ohio
Thomas Andrew Dohr, B.S., Marketing	Chicago, Illinois

170 SAINT JOSEPH'S COLLEGE

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William L. Downard, B.A., History Cum Laude	Reading, Ohio
Michael Martin Doyle, B.A., Mathematics-Physics	Cincinnati, Ohio
John Patrick Drennan, B.A., Mathematics Cum Laude	Berwyn, Illinois
Robert Curran DuBois, B.S., Management	South Bend, Indiana
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Keith Patrick Ernst, B.S., Management	Chicago, Illinois
Joseph William Fliszar, B.S., Accounting	Chicago, Illinois
George Julius Foss, B.S., Management	Lancaster, Ohio
James Norman Francis, B.A., History	Mt. Clemens, Michigan
Eberhard J. Gabriel, B.A., English	Westmont, Illinois
Lee D. Gallaher, B.S., Marketing	Chicago, Illinois
James Charles Gannon, B.A., History	Cleveland, Ohio
Leo Frank Garibay, B.S., Accounting	Chicago, Illinois
Thomas John Gately, B.A., History	Chicago, Illinois
Michael J. Gatton, B.A., Mathematics	Huntertown, Indiana
Matthew Joseph Gembala, Jr., B.S., Biology	Highland, Indiana
Paul Cyril Germek, B.S., Education	Painesville, Ohio
Edward A. Golumbeck, B.S., Accounting	Hammond, Indiana
Richard Joseph Hagye, B.S., Marketing	South Bend, Indiana
Doyne Marcus Hahn, B.A., History Cum Laude	Griffith, Indiana
Richard Arthur Hanson, B.S., Accounting	Chicago, Illinois
Robert James Hayes, B.S., Education	Chicago, Illinois
Wilbur H. Hays, B.S., Education	Kentland, Indiana
Don Michael Hoffman, B.A., Biology Magna Cum Laude	Champaign, Illinois
James Joseph Hunt, Jr., B.A., Mathematics	Rocky River, Ohio
Robert Kendall Imbur, B.A., Economics Cum Laude	Riverside, Illinois
Robert Allen Jansey, B.S., Accounting	Chicago, Illinois
Dennis M. Johnson, B.S., Accounting	Chicago, Illinois
Daniel Lee Jones, B.A., Political Science	Upper Sandusky, Ohio
Stephen John Jupinka, B.S., Accounting	Fords, New Jersey
Mitchell Valentine Kaminski, Jr., B.S., Biology Cum Laude	Chicago, Illinois
Edwin John Kantowicz, B.S., Marketing	Chicago, Illinois
John J. Keane, B.A., English Cum Laude	Chicago, Illinois
William Edward Keenan, B.A., Chemistry Cum Laude	Cleveland, Ohio
Thomas Michael Kennefick, B.S., Management	Chicago, Illinois
Eugene R. Ketchmark, B.S., Management	Pontiac, Illinois
Gregory Luke Klatecki, B.S., Biology	Chicago, Illinois
Richard Raymond Kleszynski, B.S., Biology	Chicago, Illinois
Dennis Keith Knapp, B.S., Accounting	St. Joseph, Michigan
Norbert Anthony Kuntz, B.A., History	St. Johns, Michigan

DEGREES, HONORS AND AWARDS 171

Emil Joseph Labbe, B.A., History Cum Laude	Dover, New Hampshire
William E. Lieb, B.S., Marketing	Sandusky, Ohio
Edward Lawrence Lysaught, B.S., Accounting	Michigan City, Indiana
John Thomas McCarthy, B.S., Finance	Evergreen Park, Illinois
James Edward McGill, B.S., Management	Port Huron, Michigan
Russell E. Marcinek, B.A., History	East Chicago, Indiana
James William Marquardt, B.S., Marketing	Lorain, Ohio
Hugh Joseph Martinelli, B.A., Sociology	Murrysville, Pennsylvania
Robert Joseph Maszka, B.S., Accounting	Chicago, Illinois
Joseph Francis Matrange, B.S., Chemistry	Bayonne, New Jersey
Dennis James Matuska, B.A., Philosophy	Whiting, Indiana
Edward Francis Mayer, Jr., B.A., Philosophy	Evergreen Park, Illinois
Jerome T. Meservey, B.S., Biology	Chicago, Illinois
Thomas Joseph Messer, B.S., Marketing	Chicago, Illinois
Thomas J. Miller, B.S., Physical Education	St. Joseph, Michigan
John Anthony Mirocha, B.S., Accounting	South Bend, Indiana
Michael Lawrence Moriarty, B.A., Philosophy	Canton, Ohio
Philip Alfred Morris, B.A., Biology	New York, New York
John J. Navigato, B.S., Marketing	Chicago, Illinois
Charles Vincent Naylor, B.S., Accounting	Sandwich, Illinois
Thomas M. Naylor, B.S., Management	Sandwich, Illinois
Paul William Nelson, B.A., Political Science	Oil City, Pennsylvania
Kevin O'Brien, B.A., Biology	Westlake, Ohio
William James O'Connell, B.S., Marketing	Chicago, Illinois
David Patrick O'Connor, Jr., B.S., Marketing	Port Huron, Michigan
James O'Donnell, B.A., History	Chicago, Illinois
Paul Richard Ogorzelec, B.S., Accounting	Chicago, Illinois
Anthony Joseph Pacenti, B.S., Marketing	Chicago, Illinois
Elmer L. Paris, B.S., B.A., Economics Summa Cum Laude	Winamac, Indiana
James Francis Quinn, B.A., History	St. John, Indiana
J. Michael Reinhart, B.A., Chemistry Cum Laude	Louisville, Kentucky
Richard William Renspie, B.S., Marketing	Columbus, Ohio
Dennis Michael Reublin, B.S., Education	Fort Bragg, North Carolina
John R. Schenk, B.A., Mathematics-Physics	Dale, Indiana
Charles John Schuttrow, B.A., Journalism- Social Science Magna Cum Laude	South Bend, Indiana
John J. Seggerson, Jr., B.A., History	Lima, Ohio
*William David Seidensticker, B.A., Philosophy Magna Cum Laude	Chicago, Illinois
Joseph J. Severa, B.S., Finance	Roselle, Illinois
Peter Shang-Der Shen, B.S., Mathematics-Physics	Chicago, Illinois
Victor Francis Sliwinski, B.A., Biology	Lemont, Illinois

172 SAINT JOSEPH'S COLLEGE

Michael Terry Smith, B.S., Marketing	Homewood, Illinois
John Martin Sorg, B.S., Physical Education	Fort Wayne, Indiana
David C. Stark, B.S., Finance	Olympia Fields, Illinois
James Alexander Sullivan, B.A., Political Science	Detroit, Michigan
Robert Milton Sweeney, B.S., Biology	Chicago, Illinois
Michael D. Thoele, B.A., Journalism-Social Science	Effingham, Illinois
William A. Thoma, B.S., Accounting	Chicago, Illinois
Frank August Troike, B.S., Accounting	Chicago, Illinois
James Rodrick Tuerff, B.A., Economics	Gary, Indiana
Arthur Cyril Vandenbroucke, Jr., B.S., Chemistry	Elmhurst, Illinois
Edward George Vanderplow, Jr., B.A., Political Science	Berwyn, Illinois
William Edward Vaught, B.S., Management	Cincinnati, Ohio
James Robert Vickery, B.S., Chemistry	Bradley, Illinois
Joseph G. Vlasaty, B.S., Accounting	Brookfield, Illinois
Philip Jerome Wilhelm, B.S., Marketing	Indianapolis, Indiana
Henry Joseph Wilken, B.A., History	Louisville, Kentucky
Raymond E. Wolshon, B.S., Marketing	Chicago, Illinois
Raymond Donald Wolson, B.S., Chemistry	Chicago, Illinois
James Joseph Woods, B.S., Accounting	Western Springs, Illinois
Kenneth John Wysoglad, B.A., Economics Magna Cum Laude	Chicago, Illinois
Thomas P. Yates, B.A., Chemistry	Manteno, Illinois
William M. Yohler, B.S., Accounting	Marion, Indiana
Daniel Stephen Zawila, B.A., English	Memphis, Tennessee
John Zid, B.A., History	Berwyn, Illinois
* All-College Honors	

DEGREES CONFERRED — July 26, 1963

Sister M. Francis Regis Arens, S.S.N.D., B.A., Theology	Mequon, Wisconsin
Sister Mary Paul Francis Bailey, B.V.M., B.A., Economics	Dubuque, Iowa
Sister Mary Ellen Therese Barrett, B.V.M., B.S., Physical Education	Dubuque, Iowa
Sister M. Joselyn Brenner, O.S.F., B.A., Liturgical Music	Milwaukee, Wisconsin
Sister Mary Elise Calmus, C.P.P.S., B.S., Elementary Education Magna Cum Laude	Dayton, Ohio
Sister M. Patrick Carroll, O.S.B., B.S., Physical Education	Bismarck, North Dakota
Phillip Frank Cody, B.S., Marketing	Chicago, Illinois
Sister Mary Louise Deslippe, S.S.N.D., B.A., Theology	Mequon, Wisconsin

DEGREES, HONORS AND AWARDS 173

Patrick Joseph Devereux, B.S., Biology-Chemistry	Port Huron, Michigan
Denis B. Driscoll, B.A., Mathematics-Physics	Cincinnati, Ohio
Sister M. Luanne Durst, O.S.F., B.A., Liturgical Music	Manitowoc, Wisconsin
Sister Mary Aubert Fleischman, C.P.P.S., B.A., Theology	Dayton, Ohio
Sister Mary Moneta Fuhrwerk, O.P., B.A., History	Springfield, Illinois
Sister Mary Henriette Gillman, B.V.M., B.A., Theology	Dubuque, Iowa
Sister Mary Lawrence Green, O.P., B.A., History	Springfield, Illinois
David Lee Guertin, B.A., Mathematics-Physics	Kankakee, Illinois
Sister Mary Alphonsa Habig, C.P.P.S., B.A., Theology,	Dayton, Ohio
Sister Mary Alacoque Hartman, C.P.P.S., B.A., Theology	Dayton, Ohio
Sister M. Josephus Helbach, O.S.F., B.A., Liturgical Music	Milwaukee, Wisconsin
Michael David Hemmerling, B.S., Accounting	Riverdale, Illinois
Sister Mary Doreen Inkrott, C.P.P.S., B.A., Theology	Dayton, Ohio
John M. Klawitter, B.A., English	Steger, Illinois
John Robert Kobza, B.S., Physical Education	Gary, Indiana
John Dale Manson, B.S., Finance	Chicago, Illinois
Kenneth F. Marcotte, B.S., Marketing	Elmhurst, Illinois
Carol J. Matthew, B.S., Elementary Education	Wolcott, Indiana
Sister Mary Patricia Anne Mehling, S.S.N.D., B.A., Theology	Mequon, Wisconsin
Wayne Thomas Musial, B.A., Mathematics-Physics	Chicago, Illinois
Sister Mary Camille Petit, O.P., B.S., Secondary Education	Springfield, Illinois
Gary Bernard Probst, B.A., Mathematics-Physics	Effingham, Illinois
Alexander N. Pursley, B.S., Accounting	Fort Wayne, Indiana
Howard James Ruppel, B.A., Sociology	Wheaton, Illinois
Sister Mary Cuthbert Seng, O.S.B., B.S., Physical Education	Ferdinand, Indiana
Rev. Giles J. Soyka, O.F.M., Cap., B.A., Liturgical Music	Crown Point, Indiana
Sister Mary Leona Stahl, C.S.J., B.S., Elementary Education	Tipton, Indiana
Ethel Lee Strickler, B.S., Elementary Education	Kentland, Indiana
Sister Mary Ermenhilda Szelestey, S.S.N.D., B.A., Theology	Mequon, Wisconsin
Sister Mary Leona Taylor, O.P., B.S., Elementary Education	Springfield, Illinois

174 SAINT JOSEPH'S COLLEGE

Arthur Charles Voellinger, B.A.,
Journalism-English Belleville, Illinois

Sister M. Ann Patrick Weller, C.S.J., B.S.,
Physical Education Tipton, Indiana

DEGREES CONFERRED — January 26, 1964

The Alumni Merit Award: Fifth Conferral

John H. Ford, '47, Ph.D.

Earl W. Arndt, Jr., B.S., Accounting	Chicago, Illinois
Gerald F. Baker, B.S., Biology	Decatur, Indiana
John W. Bender, B.S., Geology	Toledo, Ohio
Patrick M. Bresnahan, B.S., Marketing	South Whitely, Indiana
Phillip T. Byrd, B.A., Economics	Franklin Park, Illinois
Jack A. Christensen, B.S., Management	Michigan City, Indiana
James A. Delaney, B.A., Mathematics	Fort Wayne, Indiana
Paul F. Fettig, C.P.P.S., B.A., Philosophy	Dayton, Ohio
Harry C. Fitzgerald, Jr., B.S., Accounting	Morocco, Indiana
James M. Fitzmaurice, B.S., Mathematics	Winchester, Indiana
Richard C. Gitzinger, B.A., Mathematics	Dayton, Ohio
Terence C. Hanrahan, B.S., Marketing	Chicago, Illinois
Francis J. Harmon, B.A., Political Science	Chicago, Illinois
Ronald Hostetler, B.S., Elementary Education	Lakeville, Indiana
Edward T. Hurley, B.S., Geology	Indianapolis, Indiana
Paul A. Impero, B.S., Marketing	Binghamton, New York
Vincent J. Ippolito, B.S., Marketing	Berwyn, Illinois
Clarence A. Kapraun, B.S., Mathematics	Henry, Illinois
Sister M. Celeste Larson, C.S.J., B.S., Education	Tipton, Indiana
John R. Lau, B.A., Mathematics	Harvey, Illinois
Clyde E. Luce, B.S., Physical Education	LaPorte, Indiana
Kenneth D. Mroczek, B.A., Mathematics	Chicago, Illinois
Robert E. Muller, B.A., Mathematics-Physics	Tenaflly, New Jersey
Frank C. Pandola, B.S., Marketing	Cicero, Illinois
John A. Petuskey, C.P.P.S., B.A., Philosophy	Roselle, New Jersey
Eduardo G. Rivera, B.S., Accounting Magna Cum Laude	Santurce, Puerto Rico
Richard L. Schneider, B.S., Management	Skokie, Illinois
George P. Siska, B.S., Management	Chicago, Illinois
Anthony G. Vasek, B.A., Mathematics-Physics	Cleveland, Ohio

HONORS AND AWARDS

1963-64

Foreign Study Grant For Advanced Study in Philosophy in Germany

William D. Seidensticker, B.A.

U.S. National Defense and Fellowship Awards for
Advanced Study in English

Dennis F. Brestensky, B.A.

University Fellowship for Advanced Study

James M. Biernat, B.A., (History)

Dennis F. Brestensky, B.A., (English)

James B. Crook, B.S. (Accounting)

William L. Downard, B.A. (History)

John P. Drennan, B.S. (Mathematics)

Doyne M. Hahn, B.A. (History)

Robert K. Imbur, B.A. (Economics)

Norbert A. Kuntz, B.A. (History)

Hugh J. Martinelli, B.A. (Sociology)

Edward F. Mayer, B.A. (Philosophy)

William D. Seidensticker, B.A. (Philosophy)

Daniel S. Zawila, B.A. (English)

Who's Who Among Students in American
Colleges and Universities

Paul E. Andorfer, B.A.

John C. Babione, B.A.

James M. Biernat, B.A.

Ronald L. Bonato, B.A.

Francis W. Creel, B.A.

David L. Cunningham,
B.S., B.A.

James A. Delaney, B.A.

William L. Downard, B.A.

Thomas E. Fletchall, B.A.

Michael J. Gatton, B.A.

William E. Gruszewski, B.A.

Don M. Hoffman, B.A.

Mitchell V. Kaminski, B.S.

Emil J. Labbe, B.A.

Jerome T. Meservey, B.S.

Joseph M. Murray, B.A.

Charles J. Schuttrow, B.A.

James R. Tuerff, B.A.

William E. Vaught, B.S.

Arthur C. Voellinger, B.A.

Kenneth J. Wysoglad, B.A.

Daniel S. Zawila, B.A.

Delta Epsilon Sigma National Catholic Honors Society

Class of 1963

Richard J. Andolsen

Lawrence J. Beuret

John F. Blume, B.A.

Dennis F. Brestensky, B.A.

Paul Brindley

Thomas M. Ciskowski, B.A.

176 SAINT JOSEPH'S COLLEGE

Francis W. Creel, B.A.
James B. Crook, B.S.
David L. Cunningham, B.A.
Leonard Czapkowicz
William L. Downard, B.A.
Michael M. Doyle, B.A.
John P. Drennan, B.S.
William L. Elliott
Thomas E. Fletchall, B.A.
Michael J. Gatton, B.A.
William E. Gruszewski, B.A.
Doyne M. Hahn, B.A.
Patrick H. Hoffmann, B.A.
Robert K. Imbur, B.A.
Charles J. Kelley
John J. Keane, B.A.
Emil J. Labbe, B.A.

Joy L. Marley
Ted Mason
Dennis J. Matuska, B.A.
Joseph M. Murray, B.A.
Wayne T. Musial, B.A.
Kathleen O'Toole
Virginia Petrites
John M. Reinhart, B.A.
Charles J. Schuttrow, B.A.
William D. Seidensticker, B.A.
George J. Sterzinger
William A. Thoma, B.S.
Anthony G. Vasek, B.A.
Frederick R. Weber, B.A.
Lawrence J. Wyen
Kenneth J. Wysoglad, B.A.
Daniel S. Zawila, B.A.

Phi Eta Sigma Freshmen Honors Society — Class of 1966

Daniel L. Broderick
Ray A. Good
Robert J. Kissner
Timothy P. McLaughlin

James R. Muth
David G. Roche
Joseph P. Schmitt
Ralph C. Verdi

The Mary J. Pursley Award for Creative Writing

Donor: The Most Reverend Leo A. Pursley, D.D., LL.D., '21
Winner: Francis W. Creel, B.A.

The Hanley Science Award

Donor: Mr. William A. Hanley, D.Eng., LL.D., '08
First Prize: Jerome J. Meservey, B.S.
Second Prize: Lawrence J. Beuret

The Father Rapp Speech Award

Donor: The Speech Department of Saint Joseph's College

Second Semester 1961-62

First Prize: William F. Murphy
Second Prize: Jo Anne Marlatt
Third Prize: Thomas J. Sherlock

First Semester 1962-63

First Prize: Robert J. Conlin
Second Prize: Robert G. McHugh
Third Prize: Frater Ship, O.F.M. cap., Capuchin Seminary of
St. Mary

The Indiana Association of Certified Public Accountants Award

Winner: Dennis M. Johnson, B.S.

The Lay Trustees Business Award

Winner: Elmer L. Paris, B.S., B.A.

The John P. Hruzik ('52) Geology Award

Donor: The Geology Department

Winner: Edward T. Hurley, B.S.

The Louis F. White ('54) Award

Donor: The Glee Club of Saint Joseph's College

Winner: Francis W. Creel, B.A.

The Freshman Essay Contest

Donor: The English Department of Saint Joseph's College

Winners: First Prize: Thomas J. Cachur

Second Prize: Daniel L. Brodrick

The Wall Street Journal Award

Donor: The Wall Street Journal

Winners: Robert J. Maszka, B.S. —

Michael T. Smith, B.S.

APPENDIX III.

ALUMNI ASSOCIATION

Organized June 17, 1896, after the charter class of 1891 was graduated, the Alumni Association of Saint Joseph's College was established . . . "to cherish and strengthen the love of the graduates of St. Joseph's College for their Alma Mater; to keep graduates of the different classes in communication with the college and with each other; and to bring about an acquaintance and friendship among the graduates of the different years that they may assist each other in attaining these ends." Membership is open to any graduate or former student who leaves in good standing. There are no dues. The college publishes an alumni newspaper which is mailed to all members nine times a year without charge. Alumni are invited to return to the campus each year for the annual homecoming weekend held during football season. Chapters of the association are established in cities throughout the country. The association assists the college in: fund raising; student recruitment; publicizing the college in local communities; and placement of graduates.

GIFTS AND BEQUESTS

Gifts and bequests of money, securities or real estate are gratefully received by Saint Joseph's College. Many additions have thus been made to the resources of the institution.

To serve the College in this way it is not necessary to make a large bequest. There are doubtless many who without injury to family or other interests could bequeath \$500, \$1,000, or \$5,000; and some who might bequeath a much larger sum.

Unless other use is specified, it is the general policy of the institution to designate funds so given as a part of the permanent endowment of the institution.

In order to be valid in most states, a will must be signed by the testator in the presence of at least two disinterested witnesses who should attest the instrument as such witnesses.

FORM OF GENERAL BEQUEST

I hereby give and bequeath to the Board of Control of Saint Joseph's College, situated at Collegeville, Indiana, and to their successors forever, for the use of said institution in fulfillment of its general corporate purposes. (State here the sum of money which you desire to give, or describe the property or securities constituting the bequest.)

ANNUITIES

Anyone desiring to further the education of Catholic youth and the progress of training under Catholic auspices through the annuity plan may secure detailed information concerning the plan sponsored by Saint Joseph's College by writing to the **Very Reverend President, Collegeville, Indiana.**

INDEX

- Absence, excusable, 40-41
- Absence, leave of, 27-28
- Absences, penalties for, 40-41
- Academic Policies, 36-60
- Accounting, courses in, 61-63
- Accreditation, 3
- Activities, student:
 - Athletics, 23-24, 46-47
 - Clubs, 25-26
 - Dramatics, 25
 - Music, 25
 - Organizations, 25-26
 - Publications, 26
 - Religion, 22, 26
 - Student Council, 25
- Administration Building, 18
- Administration, officers of, 8
- Admission, procedures for, 36-39
- Admission, Requirements for, 36-38
- Agriculture, program in, 94
- Aims and Purpose, 15-16
- All-College Honors, 44-45
- Alumni Association, 177
- Alumni Association, Board of
 - Directors, 8
- Annuities, 178
- Aquinas Hall, 19
- Athletics and Recreation, 23-24, 46-47
- Athletics, eligibility for, 23-24, 46-47
- Athletic Policy, 23-24, 46-47
- Attendance, chapel, 22
- Attendance, class, 40-41
- Auditing, 43
- Automobile, use of, 29
- Awards, academic, 47-48, 175-177

- Band, College, 25
- Bank, student, 31
- Bennett Hall, 19
- Bequests, 178
- Biology, courses in, 63-67
- Board, charges for, 30
- Board of Control, 7
- Board of Directors, Alumni
 - Association, 8
- Board of Lay Trustees, 7
- Books and supplies, 31
- Buildings and equipment, 18-21
- Business, courses in, 68-73

- Calendar, College, 5-6
- Calumet Campus, 3
- Campus and Buildings, 18-21
- Cancellation of Courses, 39
- Catholic Action, 26
- Change of Class Schedule, 39
- Chapel, College, 18
- Chemistry, courses in, 74-77
- Class Attendance, 40-41
- Class load, student, 39
- Class schedule, 39
- Classification of students, 46
- Clubs, student, 25-26
- College Campus, 18-21
- College Community Association, 21
- College Entrance Examination
 - Board Tests, 32
- College History, 17-18
- College Scholarship Service, 33
- Comprehensive Examinations, 50
- Control, Board of, 7
- Correspondence, (Courses), 50
- Council, Student, 25
- Counseling, 22
- Counselor, faculty, 22
- Credit, Academic, 42-43
- Credit by Examination, 42
- Credit, for independent study, 43
- Credit, Television, 43
- Curriculum, organization of, 51-53
- Cut system, 40-41

- Day students, 28
- Deadline:
 - Filing for Credit-by-Examination, 42
 - Withdrawal, 41
- Dean's List, 45
- Degree in absentia, 49
- Degrees Conferred, 169-174
- Degrees offered, 49, 60
- Degrees, requirements for, 49-57
- Directory, 182
- Disciplinary regulations, 27-29
- Dismissal, Scholastic, 45-46
- Drexel Hall, 18
- Dwenger Hall, 18

- Early Admission, 38
- Economics, courses in, 78-80
- Education, courses in, 81-91
- Electives, 53
- Eligibility, athletic, 46-47
- Employment, student, 29, 35
- Engineering, courses in, 92-96
- Engineering, suggested programs, 93-96
- English, courses in, 97-100
- Enrollment, 38
- Entrance, requirements, 36-38
- Expenses, student, 30-31

180 SAINT JOSEPH'S COLLEGE

- Faculty and staff, 9-14
- Faculty Building, 20
- Fees, student, 30-31
- Fieldhouse, 20
- Financial aid, 32-35
- Financial regulations, 31
- French, courses in, 114
- Freshman orientation, 22
- Gallagher Hall, 19
- Gaspar Hall, 18
- General Education, 51-53
- Geographical Distributions, 168
- Geology, courses in, 100-103
- German, courses in, 114-115
- Gifts and Bequests, 178
- Glee Club, College, 25
- Good Standing, 42
- Government Loan, 35
- Grade reports, 43
- Grading system, 43
- Graduates, 169-174
- Graduation in Absentia, 49
- Graduation Check List, 54-57
- Graduation, requirements for, 49-57
- Graduation with honors, 49
- Grants-in-Aid, 34
- Greek, courses in, 115
- Group-Majors:
 - Biology-Chemistry, 64
 - Journalism-English, 97, 111-112
 - Journalism-Social Science, 111
 - Mathematics-Physics, 117
- Guidance, student, 22-24
- Halas Hall, 19
- Halleck Center, 20
- Health service, 23, 28, 31
- History, courses in, 103-106
- History of the College, 17-18
- Honorable dismissal, 42
- Honors, All-College, 44-45
- Honors, Department, 107-110
- Honors, student, 44
- Humanities, courses in, 110-111
- Incomplete Grade, 44
- Independent Study, 43
- Index, Scholastic, 44
- Infirmary, service, 23, 28, 31
- Instruction, Departments of, 61-146
- Intramural Program, 23
- Journalism, courses in, 111-113
- Junior Year Abroad, 45
- Laboratories, science, 21
- Language Department, 113-117
- Late registration, 30, 38
- Latin, courses in, 115-116
- Laundry, service, 28
- Lay Trustees, Board of, 7
- Leave of Absence, 27-28
- Library, 20
- Loan fund, student, 34
- Loan, Government, 35
- Lower-level requirements, 51-53
- Major sequence, 53
- Majors, offered, 60
- Mathematics, courses in, 117-120
- Married students, 28
- Merlini Hall, 19
- Military service, 24
- Minor sequence, 53
- Minors, offered, 60
- Music, courses in, 121-126
- Music, Department, 21, 121
- Music, suggested programs for, 121-122
- National Defense Student Loan, 35
- Noll Hall, 19
- Orientation for new students, 22
- Payment of accounts, 31
- Personnel Services, Student, 22-29
- Philosophy, courses in, 126-129
- Philosophy requirements, 51-53
- Physical Education, courses in, 129-133
- Physical Education, Participation Requirements in, 130
- Physical requirements, 23
- Physics, courses in, 133-135
- Placement service, 24
- Political Science, courses in, 135-137
- Probation, scholastic, 45-46
- Psychology, courses in, 137-139
- Publications Building, 19
- Publications, student, 26
- Purpose and aims, 15-16
- Quality points, 43, 50
- Recreational facilities, 20, 23-24
- Refund policy, 31
- Register of students, 147-168
- Registration, late, 30, 38
- Registration procedure, 38
- Regulations:
 - Academic, 36-60
 - Disciplinary, 27-29
 - Financial, 31
 - Scholastic, 36-60

- Religion, courses in, 139-140
- Religion requirement, 51-53
- Repetition of Courses, 44
- Requirements:
 - Entrance, 36-38
 - General Education, 51-52
 - Graduation, 49-57
 - Lower-level courses, 51-52
 - Philosophy, 51-53
 - Religion, 51-53
 - Residence, 50
 - Upper-level courses, 52-53
- Research, 21
- Retreat, students', 22
- Room, charges for, 30
- Schedule of classes, 39
- Scholarships, 32
- Scholastic index, 44
- Science, laboratories, 19, 21
- Science-Library Building, 19
- Seifert Hall, 19
- Services, student, 22-29
- Society of the Precious Blood, 1, 7
- Sociology, courses in, 140-143
- Spanish, courses in, 116-117
- Special students, 38
- Speech, courses in, 143-145
- Staff, Administrative, 8
- Student:
 - Academic clubs, 25
 - Activities, 25-26
 - Aid, 32-35
 - Automobiles, 29
 - Bank, 31
 - Counseling of, 22
 - Discipline, 27-29
 - Employment, 29, 35
 - Expenses, 30-31
 - Government, 25
 - Guidance, 22-24
 - Handbook, 27
 - Health, 23, 28
 - Loan fund, 34
 - Organizations, 25-26
 - Orientation of, 22
 - Personnel services, 22-29
 - Placement, 24
 - Publications, 26
 - Religious clubs, 26
 - Religious Exercises, 22
 - Retreat, 22
 - Rooms, 28
 - Services, 22-29
 - Social clubs, 26
 - Union, 25
 - Visiting of, 29
 - Wardrobe, 28
- Suggested Programs, 58-59
- Summer Session, 3
- Teacher Training Program:
 - Elementary Education, 81
 - Secondary Education, 82
 - Physical Education, 129
- Television Credit, 43
- Testing Program, 22, 37, 42
- Theology, courses in, 145-146
- Transfer Student, 38
- Tuition charges, 30
- Upper-level requirements, 52-53
- Union, student, 25
- Veterans, 24
- Vocational guidance, 22
- Vocational Rehabilitation, 34
- Wardrobe, student's, 28
- Withdrawal deadline, 41
- Withdrawal, from college, 41
- Withdrawal, from course, 41
- Xavier Hall, 19

DIRECTORY

Rensselaer, a city of five thousand, is situated in northwestern Indiana. On the Monon Route (Chicago, Indianapolis, and Louisville Railway), it is 73 miles southwest of Chicago, 50 miles southeast of Hammond, Indiana. Approached from the south, it is 110 miles northwest of Indianapolis, and 47 miles northwest of Lafayette. East and west railway lines connect with the Monon at various points — Chicago, Hammond, Lafayette, Crawfordsville and Louisville.

Saint Joseph's College (Collegeville) lies just outside the city's southern limits. Taxi service is available from the Rensselaer depot. Indiana State Highway 53 (U.S. 231), one of the main routes connecting Chicago and Indianapolis, passes through the College grounds. The Indiana Motor Bus Company, operating between Cincinnati and Chicago, uses Route 53 and will take on and let off passengers at Collegeville.

- Mail: Saint Joseph's College, Rensselaer, Indiana.
- Telephone: Rensselaer, Area Code: 219; Phone: 866-7111.
- Telegraph: Saint Joseph's College, Rensselaer, Indiana.
- Express, Freight, and Baggage: Saint Joseph's College, Rensselaer, Indiana.

TELEPHONE CALLS

The College telephone switchboard is open from 8:00 a.m. until 10:00 p.m. each day during the school year. During vacation periods it is open from 8:00 a.m. until 9:00 p.m.

During these hours incoming calls to college students (except to those living in Scharf, White, and Washburn) should be made through the College switchboard (Rensselaer, Area Code: 219; Phone: 866-7111).

From 10:00 p.m. until 8:00 a.m. calls should be made directly to the pay phone in the hall in which the student lives. Each student should give members of his immediate family the number of his hall pay phone.

The following are the numbers of hall pay phones on which incoming calls should be received after 10:00 P.M.

Bennett	866-7958	Merlini	866-7957
Drexel	866-7953	Noll	866-7959
Gallagher	866-7920	Seifert	866-7956
Gaspar	(call Merlini Hall)	White House	(call Bennett Hall)
Halas	866-7948	Washburn	866-7936
Scharf (no pay phone)			

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